

Global Status and Trends in Intellectual Property Claims: Patent Dataset for Biodiversity

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This patent dataset is made available by the authors to encourage further research and methodological development. In making the dataset available in an open access journal our aim is to encourage greater research and data sharing on intellectual property and biodiversity. On that basis the sole condition of use is attribution of authorship. Excel files are available from the authors upon request.

The research was conducted using the Advanced search function of the European Patent Office esp@cenet “worldwide” database.² The datasets refer to patent publication counts by publication year combined with International Patent Classification (IPC) codes. The datasets do not discriminate between patent applications and patent grants and will include re-publications as applications move through the procedure in multiple jurisdictions. As such the datasets refer to international patent activity on the systemic level. Patent documents are commonly awarded more than one IPC code and may therefore fall in more than one area of the data.

For further details on the research and data interpretation please see the accompanying article Mapping Global Status and Trends in Patent Activity for Biological and Genetic Material³ within this issue of Genomics, Society and Policy journal.

The dataset is made available as is to promote further research and consists of three sections:

1. Search results for 2004, 2005 (x2), 2006 (x 2), a working definition of biotechnology, and indicators for diseases (A61P)

2. Data comparison graphs and tables

3. Data coverage tables

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² http://ep.espacenet.com/advancedSearch?locale=en_EP

³ <http://www.hss.ed.ac.uk/genomics/vol2no2/oldham1abstract.htm>

1. Search results for 2004, 2005 (x2), 2006, a working definition of biotechnology and A61P (for diseases)

Table I. June 29th and 30th 2006

Notes:

1. Data derived from esp@cenet <http://ep.espacenet.com/>.
2. All numbers from esp@cenet are approximate and refer to patent publication counts.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
4. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC) <http://www.wipo.int/classifications/ipc/en/>
5. Nanotechnology indicators are limited (see also Y01N in the European Classification for more detailed results using esp@cenet)

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
New Plants or Process for Obtaining Them; Plant Reproduction by Tissue Culture Techniques	A01H	1,217	1,399	1,511	1,632	1,821	1,739	1,975	2,191	2,796	3,376	4,032	4,017	5,028	4,890	4,747	4,138	23,689	42,371	46,509	58,188
Plants, processes for modifying genotypes	A01H1	392	387	441	396	446	382	468	479	528	814	893	845	955	1,398	1,569	1,560	5,626	10,393	11,953	15,169
Plants, processes for modifying phenotypes	A01H3	35	25	27	21	13	16	22	28	68	65	96	82	73	133	85	72	416	789	861	1,245
Plant reproduction by tissue culture techniques	A01H4	273	301	312	271	299	246	319	288	420	485	485	399	387	332	337	438	3,699	5,154	5,592	6,753
Flowering Plants	A01H5	603	822	884	1,118	1,290	1,254	1,459	1,680	2,273	2,721	3,351	3,334	4,223	3,699	3,499	2,890	17,455	32,210	35,100	42,992
Seeds	A01H5/10	104	111	157	167	193	236	369	304	506	652	739	706	736	773	816	630	3,538	6,569	7,199	8,109
Culture of fish, mussels, crayfish, lobsters, sponges, pearls, or the like:	A01K61	595	463	502	431	433	455	441	400	417	454	610	571	701	822	784	780	5,201	8,079	8,859	17,653
Preservation of Bodies of Humans or Animals or Plants or parts thereof; biocides, e.g. as disinfectants, as pesticides, as herbicides.	A01N	9,958	9,894	10,077	10,649	11,118	10,424	10,463	11,414	12,323	12,952	12,884	13,500	14,285	14,978	13,784	11,691	122,156	178,703	190,394	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Biocides, pest repellents or attractants, or plant growth regulators containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances producing or extracted from microorganisms or animal materials or extracts thereof	A01N63	561	662	710	787	968	883	927	1,084	1,112	1,216	1,226	1,321	1,559	1,616	1,536	1,231	10,136	16,168	17,399	20,719
Foods, Foodstuffs, or non-alcoholic beverages not covered by Subclasses A23B to J; their preparation or Treatment...; Preservation of Foods or Foodstuffs in General.	A23L	6,879	7,417	7,867	8,266	9,277	9,312	8,650	8,853	9,801	10,505	12,216	13,860	15,121	16,898	16,547	16,980	99,043	161,469	178,449	+/- 100,000
Machines or apparatus for treating harvested fruit, vegetables, or flower bulbs in bulk, not otherwise provided for; peeling vegetables or fruit in bulk; apparatus for preparing animal feeding-stuffs.	A23N	736	746	784	685	661	678	735	518	541	715	805	800	706	751	706	690	7,604	10,567	11,257	33,379
A61 Medical or Veterinary Science; Hygiene [3]	A61	75,706	80,095	89,392	96,847	99,986	99,988	99,996	99,996	99,993	100,000	99,993	99,996	100,000	100,000	100,000	100,000	x	x	x	+/- 100,000
Preparations for Medical, Dental or Toilet Purposes [3]	A61K	39,116	41,587	47,223	52,407	57,400	59,608	63,553	67,570	76,117	82,658	90,463	99,995	100,000	99,999	99,999	100,000	x	x	x	+/- 100,000
Preparations for Dentistry	A61K6	785	754	793	877	880	727	857	746	911	1,013	1,179	1,323	1,789	1,487	1,721	1,546	9,522	15,842	17,388	28,422
Cosmetics or similar preparations	A61K7	4,019	4,448	5,332	5,950	6,963	7,126	7,715	8,105	9,457	10,657	11,786	12,664	14,458	14,497	14,436	13,079	81,558	137,613	150,692	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
and medicinal preparations containing organic active ingredients	A61K7 and A61K31	492	576	634	708	901	917	1,082	1,007	1,054	1,192	1,209	1,512	2,007	1,984	1,746	1,562	9,772	17,021	18,583	22,475
and material from plants	A61K7 and A61K35/78	112	131	134	202	320	314	355	362	440	467	437	575	731	812	702	690	3,274	6,094	6,784	7,550
nanocapsules for medicinal preparations	A61K9/51	20	46	79	131	136	129	226	180	202	262	285	393	483	643	641	457	1,696	3,856	4,313	5,090
Medicinal preparations containing organic active ingredients	A61K31	20,876	21,428	24,175	26,564	28,621	30,109	31,156	32,593	35,095	38,611	43,042	48,471	58,633	64,235	70,777	63,574	332,270	574,386	637,960	+/- 100,000
and organic chemistry or Organic macromolecular compounds	A61K31 and (C07 or C08)	15,274	15,023	16,646	18,421	20,173	20,670	20,880	21,394	22,721	24,259	25,982	28,982	34,039	36,773	40,574	34,166	221,443	361,811	395,977	+/- 100,000
and undetermined constitution	A61K31 and A61K35	365	416	539	593	690	743	831	950	959	1,216	1,354	1,781	2,395	2,935	2,835	2,497	8,656	18,602	21,099	25,062
and material from plants	A61K31 and A61K35/78	190	204	265	295	376	378	401	499	511	673	817	1,071	1,446	1,808	1,789	1,624	4,609	10,723	12,347	13,899
and organic chemistry	A61K31 and C07	14,921	14,702	16,255	18,054	19,769	20,277	20,537	20,995	22,259	23,818	25,496	28,453	33,352	36,060	39,817	33,453	217,083	354,765	388,218	+/- 100,000
and acyclic or carbocyclic compounds	A61K31 and C07C	3,346	3,026	3,337	3,847	4,351	4,427	4,520	4,645	4,769	5,105	5,432	5,699	6,515	6,726	7,111	5,690	46,805	72,856	78,546	+/- 100,000
and heterocyclic compounds	A61K31 and C07D	11,356	11,249	12,448	13,587	14,909	15,092	15,151	15,511	16,580	17,859	19,350	21,493	25,204	27,309	31,472	26,618	163,092	268,570	295,188	+/- 100,000
and sugars, nucleic acids, nucleosides, nucleotides	A61K31 and C07H	1,639	1,559	1,748	1,901	2,013	2,061	2,310	2,263	2,212	2,160	2,146	2,398	2,744	3,185	3,070	2,575	22,012	33,409	35,984	50,202
and microorganisms or enzymes	A61K31 and C12N	414	496	557	666	913	1,092	1,469	1,563	1,678	2,068	2,169	2,699	3,529	3,734	3,154	2,534	13,085	26,201	28,735	31,613
and recombinant genetic engineering	A61K31 and C12N15	80	105	192	300	476	706	1,045	1,166	1,268	1,619	1,611	2,142	2,740	2,691	2,226	1,847	8,568	18,367	20,214	21,279
Medicinal preparations containing material or reaction products thereof with undetermined constitution, from	A61K35	2,064	2,291	2,751	3,635	4,743	5,061	5,278	5,930	6,481	6,751	7,263	8,957	12,038	13,196	12,900	14,933	52,248	99,339	114,272	+/- 100,000
and food/foodstuffs/ beverages	A61K35 and A23L	190	220	237	361	405	518	545	755	763	783	898	1,073	1,454	1,672	1,877	1,967	5,675	11,751	13,718	15,296

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
and disease indicators	A61K35 and A61P	x	x	x	x	x	x	x	x	x	x	2,980	4,819	6,980	7,544	7,793	8,958	2,980	30,116	39,074	44,693
and organic chemistry	A61K35 and C07	614	636	815	992	1,053	1,107	1,175	1,165	1,199	1,267	1,282	1,425	1,952	2,002	1,807	1,506	11,305	18,491	19,997	28,417
and peptides	A61K35 and C07K	340	402	544	640	746	741	823	817	865	908	936	1,047	1,480	1,451	1,222	931	7,762	12,962	13,893	18,023
and microorganisms or enzymes	A61K35 and C12N	373	419	533	669	887	956	1,179	1,290	1,426	1,564	1,892	2,367	3,095	3,431	3,147	2,556	11,188	23,228	25,784	29,915
and genetic engineering	A61K35 and C12N15	54	93	148	209	288	330	442	494	576	667	739	1,012	1,319	1,325	1,108	905	4,040	8,804	9,709	10,830
undifferentiated human, animal or plant cells	A61K35 and C12N5	156	198	255	327	455	500	631	715	829	908	1,112	1,551	1,946	2,258	1,943	1,541	6,086	13,784	15,325	16,946
Medicinal preparations containing material or reaction products thereof with undetermined constitution, from plants	A61K35/78	767	890	1,139	1,613	2,426	2,672	2,677	3,117	3,343	3,470	3,689	4,606	6,552	7,218	6,881	9,478	25,803	51,060	60,538	66,395
and food/foodstuffs/beverages	A61K35/78 and A23L	122	152	176	224	271	347	370	497	475	519	575	713	958	1,135	1,224	1,389	3,728	7,758	9,147	10,021
and disease indicators	A61K35/78 and A61P	x	x	x	x	x	x	x	x	x	x	1,810	2,997	4,526	4,801	4,874	6,156	1,810	19,008	25,164	28,606
and organic chemistry	A61K35/78 and C07	155	144	142	186	177	199	203	204	238	248	212	253	351	401	459	402	2,108	3,572	3,974	5,297
and heterocyclic compounds	A61K35/78 and C07D	57	43	56	37	59	76	65	77	83	110	73	95	129	127	174	178	736	1,261	1,439	1,903
and sugars, nucleic acids, nucleosides, and nucleotides	A61K35/78 and C07H	36	33	37	31	36	40	43	38	35	45	48	54	59	111	94	108	422	740	848	1,197
and microorganisms or enzymes	A61K35/78 and C12N	44	33	42	40	50	52	63	100	71	51	73	99	163	186	145	126	619	1,212	1,338	1,594
Medicinal Preparations containing peptides	A61K38	5,535	6,541	7,627	8,365	9,768	11,984	13,922	15,318	18,427	19,785	20,270	25,106	28,478	28,499	26,180	21,022	137,542	245,805	266,827	+/- 100,000
Medicinal preparations containing antigens or antibodies	A61K39	3,126	3,438	4,077	4,520	5,040	5,055	5,456	6,028	7,197	8,513	9,061	10,418	13,095	13,555	13,544	12,144	61,511	112,123	124,267	+/- 100,000
Treatments for genetic diseases, Gene therapy	A61K48	71	158	257	459	777	1,190	2,064	2,812	3,965	4,786	5,464	6,837	8,249	8,738	7,552	6,313	22,003	53,379	59,692	62,106

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Nanotechnology	B82	6	6	7	7	5	6	4	10	14	25	62	198	1,319	579	784	1,115	152	3,032	4,147	4,578
Nanotechnology and sugars, derivatives thereof; nucleotides, nucleosides, nucleic acids	B82 and (C07H19 or C07H21)	x	x	x	x	x	x	x	x	x	x	3	3	10	13	11	2	3	40	42	53
Nanotechnology and Nanocapsules for medicinal preparations	B82 and A61K 9/51	x	x	x	x	x	x	x	x	x	x	0	1	2	9	7	7	0	19	26	25
Nanotechnology and medicinal preparations with organic active ingredients	B82 and A61K31	x	x	x	x	x	x	x	x	x	x	0	0	5	1	2	2	0	8	10	11
Nanotechnology and medicinal preparations with material of undetermined constitution	B82 and A61K35	x	x	x	x	x	x	x	x	x	x	0	1	915	4	0	0	0	920	920	920
Nanotechnology and medicinal preparations with material of undetermined constitution from plants	B82 and A61K35/78	x	x	x	x	x	x	x	x	x	x	0	1	910	3	0	0	0	914	914	914
Nanotechnology and sugars, derivatives thereof; nucleotides, nucleosides, nucleic acids	B82 and C07H	x	x	x	x	x	x	x	x	x	x	3	3	11	17	13	5	3	47	52	73
Nanotechnology and biochemistry	B82 and C12	x	x	x	x	x	x	x	x	x	x	6	11	19	41	35	45	6	112	157	235
Nanotechnology and microorganisms and enzymes, genetic engineering	B82 and C12N	x	x	x	x	x	x	x	x	x	x	2	3	6	18	17	26	2	46	72	88
Nanostructures	B82B1	x	x	x	x	x	x	x	x	x	x	22	69	1,077	227	326	497	22	1,721	2,218	2,483
Manufacture or treatment of nano-structures	B82B3	x	x	x	x	x	x	x	x	x	x	46	139	301	439	617	827	46	1,542	2,369	2,810
Organic Chemistry [3]	C07	57,606	58,638	63,644	67,199	69,734	70,258	71,404	74,136	81,474	85,485	90,627	99,993	100,000	100,000	100,000	98,798	x	x	x	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Alcyclic or carbocyclic compounds	C07C	20,900	21,039	22,428	23,625	24,381	23,852	23,317	23,688	25,139	25,815	26,588	27,587	30,079	29,935	30,152	24,822	260,772	378,525	403,347	+/- 100,000
Heterocyclic compounds	C07D	27,074	26,747	28,371	29,623	30,559	30,161	29,880	30,667	32,347	33,819	35,789	38,507	44,524	46,881	51,564	43,723	335,037	516,513	560,236	+/- 100,000
Alcyclic, carbocyclic, or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium, or tellurium	C07F	5,450	5,488	6,081	6,424	6,818	6,967	7,027	6,963	7,099	7,026	7,306	7,482	8,316	8,848	8,201	6,720	72,649	105,496	112,216	+/- 99,999
Compounds of unknown constitution	C07G	583	457	368	387	324	295	259	246	248	240	228	207	238	230	207	177	3,635	4,517	4,694	28,391
Sugars, Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids	C07H	4,610	4,418	4,716	5,067	5,086	5,588	6,796	7,372	8,000	8,054	8,235	10,563	15,132	17,380	13,501	11,107	67,942	124,518	135,625	+/- 100,000
Nucleosides (and nucleotides)	C07H19	1,193	1,091	1,301	1,359	1,355	1,316	1,309	1,362	1,240	1,203	1,226	1,423	1,609	1,778	1,694	1,195	13,955	20,459	21,654	33,582
Peptides	C07K	9,809	10,954	12,754	13,737	15,249	16,138	17,748	19,234	23,230	25,440	27,056	34,111	38,834	37,856	33,355	26,671	191,349	335,505	362,176	+/- 100,000
Organic Macromolecular Compounds; Their Preparation or Chemical Working-Up; Compositions based thereon.	C08	39,683	40,925	43,581	46,020	47,716	45,791	47,083	47,343	49,674	53,196	53,862	56,777	62,498	61,490	61,993	54,343	514,874	757,632	811,975	+/- 100,000
Polysaccharides; Derivatives thereof	C08B	1,328	1,367	1,537	1,708	1,673	1,726	1,869	1,958	2,050	2,069	1,977	2,181	2,459	2,641	2,440	2,349	19,262	28,983	31,332	63,798
Treatment or chemical modification of rubbers	C08C	303	316	359	350	367	338	400	427	389	468	398	446	505	562	530	392	4,115	6,158	6,550	22,503
Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds	C08F	10,616	11,359	11,871	12,780	13,341	12,438	13,412	13,787	14,524	15,420	15,620	16,960	18,867	17,958	17,646	14,735	145,168	216,599	231,334	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	C08G	13,368	12,937	13,856	14,317	14,736	13,948	13,962	13,901	14,277	15,056	15,516	16,019	17,779	18,254	18,492	15,939	155,874	226,418	242,357	+/- 100,000
Derivatives of natural macromolecular compounds	C08H	156	144	157	195	176	207	185	145	209	177	155	186	257	278	307	222	1,906	2,934	3,156	9,095
Use of inorganic or non-macromolecular organic substances as compounding ingredients	C08K	8,466	8,928	9,807	10,224	10,594	10,755	10,794	10,876	11,326	12,710	12,782	14,304	16,388	15,534	15,768	14,271	117,262	179,256	193,527	+/- 100,000
Compositions of macromolecular compounds	C08L	16,379	17,192	18,838	19,458	2,016	19,839	20,684	20,466	21,093	22,953	23,581	25,979	28,496	27,023	27,148	23,335	202,499	311,145	334,480	+/- 100,000
Biochemistry; Beer; Spirits; Wine; Vinegar; Microbiology; Enzymology; Mutation or Genetic Engineering	C12	17,254	18,554	20,706	22,410	24,114	25,473	27,817	29,943	35,657	40,000	44,343	54,348	64,273	67,482	63,233	56,986	306,271	555,607	612,593	+/- 100,000
Apparatus for Enzymology or Microbiology	C12M	1,507	1,409	1,633	1,635	1,736	1,615	1,645	1,557	1,650	1,752	2,083	2,722	3,955	4,490	4,383	4,393	18,222	33,772	38,165	55,833
Microorganisms or Enzymes, compositions thereof; propagating, preserving, or maintaining microorganisms; Mutation or Genetic Engineering; Culture Media	C12N	10,996	12,037	13,355	14,508	16,175	17,144	19,141	20,650	25,750	29,217	32,690	40,651	47,528	47,562	42,848	36,593	211,663	390,252	426,845	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Micro-organisms, e.g. protozoa; Compositions thereof; Processes of propagating, maintaining or preserving micro-organisms or compositions thereof; Processes of preparing or isolating a composition containing a micro-organism; Culture media thereof	C12N1	3,422	3,528	3,979	4,187	4,575	4,518	4,745	5,195	6,243	6,839	7,062	8,069	10,035	10,085	8,864	7,942	54,293	91,346	99,288	+/- 100,000
Undifferentiated human, animal or plant cells, e.g. cell lines; Tissues; Cultivation or maintenance thereof; Culture media thereof	C12N5	2,583	2,809	2,943	3,346	3,923	4,087	4,796	5,335	6,737	8,043	9,283	11,019	14,505	17,469	12,356	10,291	53,885	109,234	119,525	+/- 100,000
Undifferentiated Plant cells or tissues	C12N5/04	196	205	183	198	178	214	252	245	364	523	551	591	677	975	892	758	3,109	6,244	7,002	7,884
Undifferentiated Animal cells or tissues	C12N5/06	342	375	406	480	582	705	920	1,071	1,288	1,420	1,730	2,398	4,707	8,242	4,105	3,194	9,319	28,771	31,965	34,013
Undifferentiated Human cells or tissues	C12N5/08	128	220	233	291	375	412	477	588	674	715	871	1,261	1,759	2,265	1,957	1,969	4,984	12,226	14,195	15,261
Mutation or genetic engineering; DNA or RNA concerning genetic engineering, vectors, e.g. plasmids, or their isolation, preparation or purification; Use of hosts thereof	C12N15	6,160	6,916	7,938	8,743	10,100	11,023	12,743	14,230	18,491	21,658	24,554	31,293	34,654	30,883	28,706	24,345	142,556	268,092	292,437	+/- 100,000
Recombinant DNA Technology (15/09), DNA or RNA fragments (15/11), Genes encoding for...	C12N15/09	435	471	442	525	698	1,631	1,940	2,066	2,565	2,826	3,342	4,719	7,102	6,673	6,888	6,556	16,941	42,323	48,879	52,143
plants	C12N15/82	331	523	604	729	892	1,001	1,212	1,502	1,971	2,769	3,530	3,673	3,811	3,605	3,531	2,983	15,064	29,684	32,667	34,964

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Fermentation or Enzyme using processes to synthesise chemical compounds	C12P	6,864	7,048	7,658	8,686	8,870	8,000	8,325	8,557	9,177	9,349	9,788	11,170	15,928	19,848	14,613	13,127	92,322	153,881	167,008	+/- 100,000
Measuring or testing processes involving enzymes or microorganisms	C12Q	3,291	3,855	4,546	5,196	5,570	6,360	7,578	8,652	10,889	12,629	14,511	19,282	24,336	25,612	24,223	21,082	83,077	176,530	197,612	+/- 100,000
Indexing classifiers for microorganisms for sub-classes C12C to C12Q and C12S	C12R	1,343	1,152	1,223	2,082	3,140	2,854	2,805	2,714	2,770	2,692	2,287	2,176	2,796	2,105	1,568	1,191	25,062	33,707	34,898	51,362
1:00 Micro-organisms	C12R1	1,312	1,117	1,195	2,066	3,132	2,844	2,801	2,705	2,759	2,679	2,279	2,153	2,775	2,094	1,552	1,156	24,889	33,463	34,619	50,800
Processes using enzymes or microorganisms to liberate, separate or purify pre-existing compound or composition	C12S	110	230	384	351	467	496	459	402	431	354	281	236	347	293	287	190	3,965	5,128	5,318	5,673
Investigating or analysing materials by determining their chemical or physical properties [3]	G01N	26,941	28,182	30,252	28,168	28,181	27,293	28,372	29,491	32,573	34,845	36,989	42,608	100,000	100,000	100,000	100,000	x	x	x	+/- 100,000
Immunoassay, Biospecific binding assay, materials thereof	G01N33/53	1,438	1,440	1,490	1,669	2,032	1,923	2,307	2,623	3,182	3,651	3,719	5,316	7,872	9,194	7,884	6,389	25,474	55,740	62,129	69,430
Electric digital data processing [3]	G06F	39,862	38,764	50,070	49,764	45,849	38,470	39,023	41,100	51,501	58,312	73,745	100,000	100,000	99,999	100,000	100,000	x	x	x	+/- 100,000

Table II. 17th January 2006

Notes:

1. Data derived from esp@cenet <http://ep.espacenet.com/>.
2. All numbers from esp@cenet are approximate and refer to patent publication counts.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
4. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC). <http://www.wipo.int/classifications/ipc/en/>.
5. Nanotechnology indicators are limited (see also Y01N in the European Classification for more detailed results using esp@cenet)

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
New Plants or Process for Obtaining Them; Plant Reproduction by Tissue Culture Techniques	A01H	980	934	1,008	1,054	1,249	1,193	1,158	1,544	1,856	2,640	3,071	2,982	4,100	3,985	4,544	3,764	16,687	32,298	36,062	55,775
Flowering Plants	A01H5	501	585	524	771	837	789	858	1,120	1,239	2,130	2,356	2,345	3,113	2,717	3,336	2,640	11,710	23,221	25,861	41,159
Seeds	A01H5/ 10	92	72	94	112	116	144	261	234	305	351	381	407	537	466	756	496	2,162	4,328	4,824	7,161
Culture of fish, mussels, crayfish, lobsters, sponges, pearls, or the like:	A01K61	449	395	381	328	313	320	302	320	310	336	530	496	673	756	675	672	3,984	6,584	7,256	17,289
Preservation of Bodies of Humans or Animals or Plants or parts thereof; biocides, e.g. as disinfectants, as pesticides, as herbicides.	A01N	8,757	8,691	8,468	9,366	9,557	8,344	7,955	10,268	12,303	12,163	12,606	13,478	13,302	13,899	13,206	9,749	108,478	162,363	172,112	+/- 100,000
Biocides, pest repellents or attractants, or plant growth regulators containing microorganisms, viruses, microbial fungi, enzymes,	A01N63	359	383	381	437	573	559	549	833	679	765	771	956	1,264	1,122	1,381	926	6,289	11,012	11,938	19,595

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	whole database
fermentates or substances producing or extracted from microorganisms or animal materials or extracts thereof																					
Foods, Foodstuffs, or non-alcoholic beverages not covered by Subclasses A23B to J; their preparation or Treatment...; Preservation of Foods or Foodstuffs in General.	A23L	5,511	6,974	7,397	7,296	7,613	8,018	7,452	8,507	9,021	10,504	11,489	13,586	15,079	16,174	16,176	14,307	89,782	150,797	165,104	+/- 100,000
Machines or apparatus for treating harvested fruit, vegetables, or flower bulbs in bulk, not otherwise provided for; peeling vegetables or fruit in bulk; apparatus for preparing animal feeding-stuffs.	A23N	652	661	710	659	523	563	553	392	470	592	757	723	583	638	642	558	6,532	9,118	9,676	30,319
A61 Medical or Veterinary Science; Hygiene [3]	A61	72,638	75,265	83,990	75,505	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	x	x	x	+/- 100,000
Preparations for Medical, Dental or Toilet Purposes [3]	A61K	35,968	39,069	43,428	39,814	43,599	46,505	52,151	62,151	68,516	77,650	83,147	100,000	100,000	100,000	100,000	100,000	x	x	x	+/- 100,000
Preparations for Dentistry	A61K6	462	456	449	603	635	475	572	574	520	700	671	852	1,528	1,036	1,553	1,372	6,117	11,086	12,458	26,633
Cosmetics or similar preparations	A61K7	3,462	3,743	4,379	5,595	6,548	7,127	7,107	7,947	8,139	10,230	11,548	12,656	13,818	14,480	13,380	11,864	75,825	130,159	142,023	+/- 100,000
nanocapsules for medicinal preparations	A61K9/ 51	20	35	36	80	60	74	125	101	117	148	155	177	311	318	539	406	951	2,296	2,702	4,542

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	whole database
Medicinal preparations containing organic active ingredients	A61K31	19,622	20,573	22,246	19,665	21,759	21,695	26,217	29,997	32,981	35,516	42,168	46,509	55,889	43,460	67,953	53,714	292,439	506,250	559,964	+/- 100,000
and organic chemistry or Organic macromolecular compounds	A61K31 and (C07 or C08)	14,653	13,510	14,973	15,098	16,535	17,772	18,809	19,243	20,885	22,290	24,384	277,769	31,745	27,015	38,857	28,858	198,152	573,538	602,396	+/- 100,000
and undetermined constitution	A61K31 and A61K35	313	277	469	459	520	487	527	805	700	741	851	1,369	2,104	2,105	2,451	2,239	6,149	14,178	16,417	23,932
and material from plants	A61K31 and A61K35/78	146	114	191	200	294	275	221	435	338	429	504	767	1,307	1,422	1,672	1,505	3,147	8,315	9,820	13,478
and cosmetics	A61K31 and A61K7	373	402	354	533	693	706	810	675	686	796	760	1,159	1,601	1,431	1,648	1,465	6,788	12,627	14,092	22,227
and organic chemistry	A61K31 and C07	14,314	13,221	14,621	14,797	16,204	17,434	18,498	18,889	20,461	21,885	23,932	27,265	31,783	26,517	38,203	28,785	194,256	318,024	346,809	+/- 100,000
and acyclic or carbocyclic compounds	A61K31 and C07C	2,349	2,368	2,937	3,465	3,741	3,898	4,435	4,454	4,384	4,893	5,312	5,459	5,560	5,486	6,516	4,938	42,236	65,257	70,195	+/- 100,000
and heterocyclic compounds	A61K31 and C07D	9,530	9,664	11,195	12,215	12,810	13,875	13,633	13,957	15,565	16,753	18,162	21,017	24,032	20,063	30,156	22,734	147,359	242,627	265,361	+/- 100,000
and sugars, nucleic acids, nucleosides, nucleotides	A61K31 and C07H	1,157	1,071	1,441	1,265	1,259	1,939	2,084	2,087	1,514	1,771	1,806	2,164	2,224	2,400	2,543	2,260	17,394	26,725	28,985	48,887
and microorganisms or enzymes	A61K31 and C12N	280	316	399	471	590	829	1,337	1,483	1,233	1,524	1,433	2,033	2,995	3,029	2,826	2,176	9,895	20,778	22,954	29,713
and recombinant genetic engineering	A61K31 and C12N15	57	73	139	221	305	536	926	1,081	982	972	973	1,656	2,317	2,076	1,920	1,619	6,265	14,234	15,853	19,876
Medicinal preparations containing material or reaction products thereof with undetermined	A61K35	1,902	1,931	2,589	2,843	4,367	4,463	3,606	5,584	6,352	6,346	6,682	8,950	11,961	12,614	12,102	13,300	46,665	92,292	105,592	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
constitution, from																					
and food/foodstuffs/beverages	A61K35 and A23L	91	180	193	296	332	402	433	597	574	590	516	848	1,228	1,276	1,671	1,845	4,204	9,227	11,072	14,885
and disease classifiers	A61K35 and A61P	2	23	67	85	180	310	407	627	802	658	2,101	4,174	6,166	6,805	6,626	8,143	5,262	29,033	37,176	39,879
and organic chemistry	A61K35 and C07	522	392	675	743	747	807	809	961	778	695	831	1,008	1,581	1,394	1,611	1,338	7,960	13,554	14,892	27,239
and peptides	A61K35 and C07K	261	260	422	446	518	471	570	675	565	538	535	701	1,110	841	1,097	854	5,261	9,010	9,864	17,593
and microorganisms or enzymes	A61K35 and C12N	286	232	371	478	622	609	819	1,095	770	1,030	1,281	1,974	2,506	2,673	2,561	2,220	7,593	17,307	19,527	27,505
and recombinant genetic engineering	A61K35 and C12N15	45	59	106	142	210	201	362	405	340	403	387	609	1,060	609	1,060	826	2,660	5,998	6,824	10,116
undifferentiated human, animal or plant cells	A61K35 and C12N5	108	107	185	229	279	272	398	513	421	493	693	1,078	1,528	1,493	1,678	1,344	3,698	9,475	10,819	15,372
and material from plants	A61K35/78	680	668	1,117	1,266	1,996	2,251	2,155	3,000	3,277	2,715	3,324	4,603	6,279	6,917	6,120	8,670	22,449	46,368	55,038	65,252
and food/foodstuffs/beverages	A61K35/78 and A23L	95	136	160	187	239	298	297	442	396	385	348	609	850	780	1,147	1,331	2,983	6,369	7,700	9,902
and cosmetics or similar preparations	A61K35/78 and A61K7	109	99	117	139	252	259	285	285	276	354	324	378	632	609	656	642	2,499	4,774	5,416	7,184
and disease	A61K35/78 and A61P	1	16	44	55	140	224	330	526	654	587	1,398	2,744	4,062	4,255	4,582	5,851	3,975	19,618	25,469	27,260
and organic chemistry	A61K35/78 and C07	129	116	99	78	151	156	137	166	154	151	139	197	320	321	376	371	1,476	2,690	3,061	4,819
and heterocyclic compounds	A61K35/78 and C07D	56	43	54	35	56	69	61	74	74	81	66	81	112	102	133	162	669	1,097	1,259	1,763
and sugars, nucleic acids, nucleosides, nucleotides	A61K35/78 and C07H	36	33	37	31	36	40	42	38	35	42	44	52	57	103	85	103	414	711	814	1,161
and microorganisms or enzymes	A61K35/78 and	44	32	41	40	49	50	62	90	55	44	58	78	138	164	130	120	565	1,075	1,195	1,476

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
	C12N																				
Medicinal Preparations containing peptides	A61K38	4,874	5,626	7,173	6,190	7,817	8,877	11,699	14,399	17,319	18,585	18,645	25,082	27,565	28,252	25,296	18,509	121,204	227,399	245,908	+/- 100,000
Medicinal preparations containing antigens or antibodies	A61K39	2,817	3,167	3,433	3,261	3,938	4,252	4,701	5,788	6,766	8,512	8,698	9,778	12,392	12,357	11,695	10,405	55,333	101,555	111,960	+/- 100,000
Treatments for genetic diseases, Gene therapy	A61K48	60	115	171	252	524	912	1,494	2,310	3,493	4,406	5,139	6,835	8,155	8,512	6,312	5,735	18,876	48,690	54,425	58,948
Nanotechnology and sugars, derivatives thereof; nucleotides, nucleosides, nucleic acids	B82 and (C07H19 or C07H21)	0	0	0	0	0	0	0	0	2	0	3	3	10	13	10	2	5	41	43	34
Nanotechnology and Nanocapsules for medicinal preparations	B82 and A61K 9/51																				0
Nanotechnology and medicinal preparations with	B82 and A61K31	0	0	0	0	0	0	0	0	0	0	0	0	5	1	2	1	0	8	9	9
Nanotechnology and medicinal preparations with material of undetermined constitution	B82 and A61K35	0	0	0	0	0	0	0	0	0	0	0	1	915	4	0	0	0	920	920	920
Nanotechnology and medicinal preparations with material of undetermined constitution from plants	B82 and A61K35/78	0	0	0	0	0	0	0	0	0	0	0	1	910	3	0	0	0	914	914	914
Nanotechnology and sugars, derivatives thereof; nucleotides, nucleosides, nucleic acids	B82 and C07H	0	0	0	0	0	0	0	0	2	0	3	3	11	14	12	5	5	45	50	45

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Nanotechnology and biochemistry	B82 and C12	0	0	0	0	0	0	0	0	1	3	6	12	19	37	34	38	10	112	150	160
Nanotechnology and microorganisms and enzymes, genetic engineering	B82 and C12N	0	0	0	0	0	0	0	0	0	1	2	3	6	18	17	24	3	47	71	54
Nanostructures	B82B1	1	0	0	2	1	1	1	1	5	7	22	52	720	177	272	448	41	1,262	1,710	2,175
Manufacture or treatment of nano-structures	B82B3	5	6	6	7	5	6	4	9	12	23	46	102	238	324	586	762	129	1,379	2,141	2,474
Organic Chemistry [3]	C07	54,104	56,227	58,521	55,068	43,199	56,155	57,153	62,226	66,744	71,734	81,473	100,000	100,000	100,000	100,000	85,374	x	x	x	+/- 100,000
Acyclic or carbocyclic compounds	C07C	19,211	20,605	20,174	18,896	19,493	18,597	17,271	20,359	23,101	24,744	24,943	27,524	29,918	26,798	28,104	21,270	227,394	339,738	361,008	+/- 100,000
Heterocyclic compounds	C07D	23,766	26,667	24,932	24,822	22,560	25,876	25,071	26,324	27,103	27,633	34,263	37,630	42,432	34,411	49,652	36,593	289,017	453,142	489,735	+/- 100,000
Acyclic, carbocyclic, or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium, or tellurium	C07F	4,583	5,052	5,356	5,146	6,003	5,582	5,919	5,995	6,534	6,461	7,014	7,028	7,102	7,586	7,701	5,984	63,645	93,062	99,046	+/- 100,000
Compounds of unknown constitution	C07G	373	304	288	251	231	250	182	150	159	146	121	177	204	199	146	148	2,455	3,181	3,329	28,259
Sugars, Derivatives thereof;	C07H	3,970	3,806	4,158	4,060	3,974	5,033	5,581	6,788	7,043	7,407	7,745	10,140	14,306	15,800	11,825	9,938	59,565	111,636	121,574	+/- 100,000
Nucleosides; Nucleotides; Nucleic acids	C07H19	656	709	1,074	800	824	1,086	977	1,097	557	682	821	923	2,112	1,209	1,493	1,022	9,283	15,020	16,042	32,241
Nucleosides (and nucleotides)	C07K	9,414	10,300	11,741	10,992	13,420	12,593	14,919	18,846	21,831	24,925	24,887	24,542	37,516	36,832	31,700	23,643	173,868	304,458	328,101	+/- 100,000
Peptides	C08	36,366	38,319	38,228	35,749	41,827	37,401	44,134	47,142	47,461	52,941	51,447	56,416	61,820	60,940	58,117	49,420	471,015	708,308	757,728	+/- 100,000
Organic Macromolecular Compounds; Their Preparation or																					

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	whole database
Chemical Working-Up; Compositions based thereon.																					
Polysaccharides; Derivatives thereof	C08B	992	1,021	1,056	1,306	1,148	1,286	1,212	1,726	1,242	1,293	1,433	1,832	2,009	1,581	2,233	2,008	13,715	21,370	23,378	60,003
Treatment or chemical modification of rubbers	C08C	187	195	170	201	253	220	244	333	252	319	265	270	403	418	429	326	2,639	4,159	4,485	22,144
Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds	C08F	9,943	9,535	11,165	10,518	12,262	9,728	11,542	12,056	12,708	14,970	14,896	15,086	18,140	15,217	16,414	13,102	129,323	194,180	207,282	+/- 100,000
Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	C08G	10,422	11,897	12,735	12,591	12,763	12,275	12,290	11,955	12,833	14,736	14,260	15,686	16,970	17,837	17,388	14,456	138,757	206,638	221,094	+/- 100,000
Derivatives of natural macromolecular compounds	C08H	90	98	114	150	130	140	123	79	121	136	121	142	190	128	253	181	1,302	2,015	2,196	8,819
Use of inorganic or non-macromolecular organic substances as compounding ingredients	C08K	7,455	8,216	8,049	7,777	9,748	9,467	9,936	10,009	10,644	12,201	12,012	14,300	15,997	14,553	14,586	12,959	105,514	164,950	177,909	+/- 100,000
Compositions of macromolecular compounds	C08L	14,063	16,133	16,179	15,524	18,514	15,061	18,187	19,223	21,043	21,987	22,577	25,940	27,776	23,141	26,137	21,561	198,491	301,485	323,046	+/- 100,000
Biochemistry; Beer; Spirits; Wine; Vinegar;																					
Microbiology; Enzymology; Mutation or Genetic Engineering	C12	16,056	17,931	19,165	19,425	20,899	20,594	23,584	28,956	32,296	37,005	40,237	38,549	62,381	64,709	59,397	49,547	276,148	501,184	550,731	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Apparatus for Enzymology or Microbiology	C12M	1,125	1,052	1,411	1,090	1,361	1,172	1,130	1,099	1,034	1,303	1,677	2,508	3,771	3,294	4,219	4,117	13,454	27,246	31,363	53,815
Microorganisms or Enzymes, compositions thereof; propagating, preserving, or maintaining microorganisms; Mutation or Genetic Engineering; Culture Media	C12N	9,960	11,568	12,828	11,936	13,637	14,140	16,149	19,861	22,707	28,043	29,528	28,660	45,724	45,141	38,812	31,900	190,357	348,694	380,594	+/- 100,000
Micro-organisms, e.g. protozoa; Compositions thereof; Processes of propagating, maintaining or preserving micro-organisms or compositions thereof; Processes of preparing or isolating a composition containing a micro-organism; Culture media thereof	C12N1	2,871	2,614	3,161	3,222	3,331	3,846	3,974	4,600	4,522	5,913	5,766	7,170	8,734	8,225	7,613	6,336	43,820	75,562	81,898	+/- 100,000
Undifferentiated human, animal or plant cells, e.g. cell lines; Tissues; Cultivation or maintenance thereof; Culture media thereof	C12N5	2,303	2,386	2,512	2,930	3,284	3,486	3,826	4,903	5,772	7,883	9,086	10,767	13,880	16,426	10,564	8,870	48,371	100,008	108,878	+/- 100,000
Undifferentiated Plant cells or tissues	C12N5/04	122	157	135	152	118	132	196	177	194	346	364	352	569	797	753	703	2,093	4,564	5,267	7,445
Undifferentiated Animal cells or tissues	C12N5/06	249	184	240	279	326	447	527	843	886	892	1,292	1,883	4,201	6,742	3,523	2,866	6,165	22,514	25,380	32,337

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	whole database
Undifferentiated Human cells or tissues	C12NS/08	59	112	146	192	202	210	230	302	256	299	450	649	1,101	1,094	1,176	1,327	2,458	6,478	7,805	9,791
Mutation or genetic engineering; DNA or RNA concerning genetic engineering, vectors, e.g. plasmids, or their isolation, preparation or purification; Use of hosts thereof	C12N15	5,485	6,350	6,678	6,853	8,154	9,125	10,767	13,652	17,410	20,404	21,796	21,701	31,761	28,535	25,308	20,990	126,674	233,979	254,969	+/- 100,000
Recombinant DNA Technology (15/09), DNA or RNA fragments (15/11), Genes encoding for...	C12N15/09	396	340	345	418	520	1,249	1,558	1,455	1,294	1,875	2,156	3,600	5,377	4,236	6,318	6,218	11,606	31,137	37,355	49,363
Fermentation or Enzyme using processes to synthesise chemical compounds	C12P	6,257	6,683	6,670	7,255	7,330	6,942	7,384	7,853	7,935	8,644	8,543	10,899	14,782	17,406	13,866	10,539	81,496	138,449	148,988	+/- 100,000
Measuring or testing processes involving enzymes or microorganisms	C12Q	2,901	3,473	4,004	4,473	4,463	4,967	6,369	8,133	9,801	12,624	14,223	19,275	23,049	24,366	22,682	19,215	75,431	164,803	184,018	+/- 100,000
Indexing classifiers for microorganisms for sub-classes C12C to C12Q and C12S	C12R	1,317	1,107	1,152	1,959	2,890	2,739	2,749	2,714	2,767	2,690	2,195	2,174	2,232	1,684	1,475	1,086	24,279	31,844	32,930	50,669
1-00 Micro-organisms	C12R1	1,286	1,074	1,126	1,944	2,821	2,370	2,745	2,704	2,756	2,677	2,187	2,151	2,271	1,676	1,460	1,056	23,690	31,248	32,304	50,111
Processes using enzymes or microorganisms to liberate, separate or purify pre-existing compound or composition	C12S	62	143	255	229	257	327	289	242	220	161	140	125	204	197	166	117	2,325	3,017	3,134	3,535

Table IIIa. Searches Conducted on the 18th of August 2005 (single indicators)

Notes:

1. Data derived from esp@cenet <http://ep.espacenet.com/>.
2. The 2005 dataset is divided between single indicators (a) and combined indicators (b)
3. Guide numbers refer to an initial search of the whole database to identify areas of interest shortly before the main data run.
4. All numbers from esp@cenet are approximate and refer to patent publication counts.
5. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
6. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC) <http://www.wipo.int/classifications/ipc/en/>.
7. Nanotechnology indicators are limited (see also Y01N in the European Classification for more detailed results using esp@cenet).

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Human Necessities	A																				
New Plants or Process for Obtaining Them; Plant Reproduction by Tissue Culture Techniques	A01H	886	932	947	1,012	1,198	1,176	1,113	1,502	1,852	2,706	3,865	3,912	4,852	4,684	4,373	2,217	17,189	35,010	37,227	50,381
Plants, processes for modifying genotypes	A01H1	253	228	294	282	308	256	291	333	312	615	649	620	786	1,215	1,337	786	3,821	7,779	8,565	11,920
Plants, processes for modifying phenotypes	A01H3	32	23	26	19	13	16	26	44	35	64	35	61	52	107	59	36	333	612	648	964
Plant reproduction by tissue culture techniques	A01H4	132	153	159	170	125	145	171	174	219	304	323	273	251	219	240	190	2,075	3,058	3,248	4,582
Flowering Plants	A01H5	445	586	506	767	803	763	835	1,125	1,249	2,074	3,215	3,267	4,134	3,436	3,090	1,567	12,368	26,295	27,862	37,563
Seeds	A01H5/10	85	84	95	114	98	117	193	195	209	245	336	388	476	520	572	262	1,771	3,727	3,989	5,661

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Culture of fish, mussels, crayfish, lobsters, sponges, pearls, or the like:	A01K61	431	363	395	336	276	303	289	313	285	319	491	453	621	745	684	387	3,801	6,304	6,691	15,198
Preservation of Bodies of Humans or Animals or Plants or parts thereof, biocides, e.g. as disinfectants, as pesticides, as herbicides.	A01N	7,143	7,269	7,833	8,910	8,569	8,150	8,523	9,649	10,785	11,625	11,512	11,759	12,518	12,915	10,963	4,995	99,968	148,123	153,118	+/- 100,000
Biocides, pest repellents or attractants, or plant growth regulators containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances producing or extracted from microorganisms or animal materials or extracts thereof	A01N63	310	334	351	434	490	479	491	699	595	733	921	1,017	1,154	1,305	1,220	449	5,837	10,533	10,982	15,621
Fermentates or substances produced by or extracted from microorganisms or animal material	A01N63/02	106	114	121	152	164	139	125	155	149	151	178	179	165	146	157	73	1,554	2,201	2,274	3,798

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
Biocides, pest repellents or attractants, or plant growth regulators containing microbial fungi or extracts thereof	A01N63/04	40	46	54	60	50	78	80	87	69	61	54	64	80	235	119	679	1,177	1,220	1,669
Biocides, pest repellents or attractants, or plant growth regulators containing plant material e.g. mushrooms, derris root, or extracts thereof.	A01N65	107	121	154	171	234	231	219	278	304	317	399	649	699	699	702	2,535	5,284	5,660	7,744
Foods, Foodstuffs, or non-alcoholic beverages not covered by Subclasses A23B to J; their preparation or Treatment...; Preservation of Foods or Foodstuffs in General.	A23L	4,889	6,182	6,251	5,744	6,908	7,081	6,973	7,389	7,536	8,733	10,119	11,589	12,350	13,923	12,464	77,805	128,131	134,442	+/- 100,000
Starch	A23L1/0522	39	43	60	62	83	90	63	78	71	72	92	94	126	97	131	753	1,201	1,294	1,762
Marmalades, jams; jellies; Other similar fruit or vegetable compositions; Simulated fruit products	A23L1/06	94	93	123	111	110	102	98	139	139	153	139	253	169	252	467	1,301	2,442	2,502	3,493

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
Food or foodstuffs, preparation or treatment, containing cereal derived products	A23L1/ 10	317	342	404	448	463	520	359	417	349	387	485	465	637	580	618	341	4,491	6,791	7,132	13,250
Treatment of pulse, i.e. fruits of leguminous plants, for production of fodder or food; Preparation of products from legumes; Chemical means for rapid cooking of these foods, e.g. treatment with phosphates (animal foods A23 K)	A23L1/ 20	260	294	254	245	252	272	264	242	284	287	401	397	535	555	481	271	3,055	5,023	5,294	10,716
Malt products; fermented malt products (1/22 takes precedence; malt products of cereals 1/185)	A23L1/ 202	19	28	38	28	44	38	33	21	40	43	84	78	92	102	25	24	416	713	737	947
Preparation of fruits or vegetables (of pulse A23L 1/20; treating harvested fruit or vegetables in bulk A23N)	A23L1/ 212	232	185	246	202	232	256	232	260	332	323	356	520	594	477	531	296	2,856	4,978	5,274	8,865
Natural spices, flavouring agents, or condiments; extracts thereof	A23L1/ 221	97	112	117	127	124	156	155	147	177	155	173	147	194	176	222	159	1,540	2,279	2,438	4,237

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Edible extracts or preparations of fungi (for medicinal purposes A61K)	A23L1/28	37	37	50	52	84	82	69	89	83	86	99	137	209	253	211	132	768	1,578	1,710	2,415
Meat products; Meat meal (working up proteins for foodstuffs A23J3/00)	A23L1/31	102	89	133	157	170	167	159	155	146	124	165	205	231	215	266	130	1,567	2,484	2,614	5,601
Egg products	A23L1/32	83	60	84	113	124	152	110	104	123	118	89	126	151	117	143	81	1,160	1,697	1,778	3,277
Food from the sea products; fish products; fish meal; fish-egg substitutes	A23L1/325	247	257	294	224	240	235	222	330	224	215	241	261	310	317	277	127	2,729	3,894	4,021	9,726
Shell-fish	A23L1/33	40	48	31	33	52	45	53	67	52	44	55	69	58	77	92	41	520	816	857	1,364
Molluscs	A23L1/333	22	29	34	27	40	33	36	32	42	35	39	49	44	57	68	28	369	587	615	1,003
Edible seaweed	A23L1/337	129	140	149	108	124	129	112	126	129	135	140	112	155	172	141	73	1,421	2,001	2,074	5,483
Food consisting mainly of nut meats or seeds	A23L1/36	53	32	45	57	61	59	68	62	83	74	86	111	132	119	136	82	680	1,178	1,260	2,081
Food compositions or treatment thereof not covered by the preceding subgroups	A23L1/48	194	161	131	164	200	224	208	220	225	205	226	260	342	307	274	134	2,158	3,341	3,475	4,258
Non-alcoholic beverages, dry compositions or concentrates thereof; their preparation - containing fruit or vegetable juices	A23L2/02	76	96	100	118	198	168	160	134	163	104	132	161	192	359	218	141	1,449	2,379	2,520	3,416

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
preservation of foods or foodstuffs in general – by treatment with chemicals containing – Organic compounds; Micro-organisms; Enzymes	A23L3/ 3463	12	21	24	24	40	39	39	38	34	24	62	42	125	201	151	23	357	876	899	935
Machines or apparatus for treating harvested fruit, vegetables, or flower bulbs in bulk, not otherwise provided for; peeling vegetables or fruit in bulk; apparatus for preparing animal feeding-stuffs.	A23N	615	618	658	596	439	522	557	359	442	548	701	648	562	647	625	325	6,055	8,537	8,862	22,045
A61 Medical or Veterinary Science; Hygiene [5]	A61	67,251	71,210	76,289	69,810	71,318	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	x	x	x	+/- 100,000
Preparations for Medical, Dental or Toilet Purposes [5]	A61K	33,638	36,634	38,958	42,141	42,888	47,962	48,490	62,535	69,769	75,216	80,797	92,787	100,000	100,000	100,000	56,252	x	x	x	+/- 100,000
nanocapsules for medicinal preparations	A61K9/ 51	6	20	26	39	32	49	80	68	65	84	83	113	158	174	253	115	552	1,250	1,365	1,945
Medicinal preparations containing organic active ingredients	A61K31	18,630	18,382	20,700	20,218	22,153	24,406	26,916	30,477	32,675	35,702	38,874	44,484	53,035	57,540	56,365	27,292	289,133	500,557	527,849	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Medicinal preparations containing material or reaction products thereof with undetermined constitution, from	A61K35	1,671	1,747	2,191	2,697	4,278	4,278	4,657	5,249	5,754	5,780	6,117	7,694	10,322	10,751	10,267	6,230	44,419	83,453	89,683	+/- 100,000
mammals; from birds	A61K35/12	68	63	79	98	141	149	193	242	141	152	190	222	374	472	379	198	1,516	2,963	3,161	4,697
Ovary, eggs, embryos	A61K35/54	18	11	14	20	28	32	40	37	50	43	47	81	83	85	97	29	340	686	715	960
Fish	A61K35/60	17	18	26	31	30	57	54	48	56	60	62	69	97	123	92	37	459	840	877	1,170
Insects	A61K35/64	31	33	37	62	100	154	130	166	144	204	232	302	321	349	194	100	1,293	2,459	2,559	2,931
Microorganisms	A61K35/66	32	29	30	65	44	51	30	43	39	44	34	39	60	57	47	19	441	644	663	1,098
Yeasts	A61K35/72	21	19	22	29	44	31	36	41	48	43	35	50	95	91	155	87	369	760	847	1,132
Materials from Bacteria	A61K35/74	126	119	147	124	218	190	184	228	217	262	282	293	480	570	606	298	2,097	4,046	4,344	8,218
Viruses	A61K35/76	12	12	23	18	33	37	63	129	151	168	119	193	470	361	407	274	765	2,196	2,470	3,375
Material from plants	A61K35/78	680	668	1,117	1,266	1,996	2,251	2,155	2,999	3,278	2,992	3,615	4,599	6,267	6,836	6,625	4,421	23,017	47,344	51,765	60,721
Algae	A61K35/80	31	25	32	30	60	56	49	57	72	75	80	96	118	139	164	74	567	1,084	1,158	1,437
Higher Fungi	A61K35/84	46	33	32	57	86	132	144	210	172	184	154	208	282	325	265	164	1,250	2,330	2,494	3,127
Medicinal Preparations containing peptides	A61K38	845	1,044	1,177	1,195	1,371	6,317	7,769	9,082	10,710	11,793	12,585	14,444	16,747	16,948	15,253	7,379	63,888	127,280	134,659	+/- 100,000
Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof;	A61K38/16	51	46	68	65	75	312	320	481	508	543	871	975	1,052	1,145	1,098	558	3,340	7,610	8,168	9,458

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Peptides from animals; from humans	A61K38/17	71	102	104	127	148	449	624	948	1,220	1,875	2,555	3,699	3,419	3,095	2,675	1,191	8,223	21,111	22,302	24,063
Protease inhibitors	A61K38/55	46	52	74	71	78	296	210	388	284	258	243	276	331	298	300	152	2,000	3,205	3,357	4,578
...From animals; from humans	A61K38/57	8	9	14	24	12	34	67	61	44	49	66	64	88	103	62	33	388	705	738	933
Medicinal preparations containing antigens or antibodies from	A61K39	2,368	2,897	3,311	3,113	3,760	4,266	4,581	5,081	5,927	6,918	7,126	8,506	10,486	10,869	10,061	5,109	49,348	89,270	94,379	100,000
...Protozoa	A61K39/002	21	15	21	30	35	27	40	44	50	41	50	47	129	82	85	56	374	717	773	1,079
...Bacterial antigens	A61K39/02	97	100	126	142	133	175	167	201	264	220	344	435	660	658	687	337	1,969	4,409	4,746	7,332
...Viral antigens	A61K39/12	140	130	155	187	191	158	192	245	300	274	407	443	735	861	792	388	2,379	5,210	5,598	8,755
...Allergens	A61K39/35	8	19	17	27	47	49	45	48	42	34	58	49	66	74	64	55	394	647	702	1,074
...Antigens from snakes	A61K39/38	2	1	2	4	3	19	26	35	39	44	65	67	189	159	235	67	240	890	957	1,070
...Haptens or antigens bound to carriers	A61K39/385	51	65	117	138	131	124	141	201	160	216	227	313	413	290	276	164	1,571	2,863	3,027	4,728
...Antibodies; immunoglobulins; immune serum	A61K39/395	881	920	1,056	1,026	1,204	1,358	1,548	1,699	1,687	2,690	2,695	3,541	4,894	5,189	4,766	2,519	16,764	35,154	37,673	45,777
...Bacterial antibodies	A61K39/40	57	56	56	75	48	65	85	102	95	92	141	207	312	236	174	101	872	1,801	1,902	2,897
...Viral antibodies	A61K39/42	49	74	84	82	76	88	81	99	86	95	75	121	257	174	200	93	889	1,641	1,734	2,574
...Antibodies bound to carriers	A61K39/44	61	91	79	66	59	58	87	65	68	33	54	72	87	69	61	25	721	1,010	1,035	1,805
Treatments for genetic diseases, Gene therapy	A61K48	41	82	132	183	426	622	1,290	1,651	2,216	3,022	3,598	4,384	5,528	6,220	5,166	2,687	13,263	34,561	37,248	39,713
Chemistry	C																				

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
Biological treatment of water wastewater, or sewage characterised by microorganism used	C02F3/ 34	159	149	180	218	263	215	333	265	363	294	295	307	372	376	440	249	2,734	4,229	4,478	7,434
Organic Chemistry [5]	C07	48,451	49,858	50,178	47,446	41,540	55,743	51,613	65,279	71,759	70,780	78,221	89,130	97,494	100,000	93,759	42,802	x	x	x	+/- 100,000
Acyclic or carbocyclic compounds	C07C	17,825	17,946	18,629	17,675	19,599	16,582	14,914	20,041	21,191	22,291	22,890	23,661	24,848	25,351	24,009	10,625	209,583	307,452	318,077	+/- 100,000
Heterocyclic compounds	C07D	22,516	23,582	22,318	21,769	20,892	22,513	22,743	27,703	29,215	28,636	32,214	34,650	37,701	41,267	41,014	18,267	274,101	428,733	447,000	+/- 100,000
Acyclic, carbocyclic, or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium, or tellurium	C07F	3,516	3,450	4,284	4,060	4,499	4,543	4,674	4,992	4,862	5,147	5,449	5,395	6,061	6,217	5,842	2,717	49,476	72,991	75,708	+/- 100,000
Compounds of unknown constitution	C07G	357	285	274	232	199	208	157	160	141	121	127	142	177	163	145	90	2,261	2,888	2,978	22,774
Antibiotics	C07G11	61	48	83	71	59	37	23	21	11	18	15	12	27	25	9	5	447	520	525	2,731
Sugars, Derivatives thereof, Nucleosides; Nucleotides; Nucleic acids	C07H	3,092	3,183	3,488	3,245	3,494	4,356	5,238	6,402	6,424	6,971	7,390	9,218	13,466	15,376	11,006	5,388	53,283	102,349	107,737	+/- 100,000
Nucleosides (and nucleotides)	C07H19	443	395	601	421	593	641	596	674	397	577	732	884	1,031	1,054	1,137	434	6,070	10,176	10,610	17,598
Nucleotides (and nucleic acids)	C07H21	765	788	749	902	1,147	1,743	2,548	3,339	3,037	3,478	4,600	6,397	10,039	11,377	7,685	3,926	23,096	58,594	62,520	72,998

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Nucleic Acids (and nucleotides)	C07H21																				
Steroids	C07J	388	599	612	610	736	875	706	821	772	741	1,008	928	1,137	1,207	1,102	498	7,868	12,242	12,740	32,303
Peptides	C07K	6,373	6,609	7,659	7,677	8,078	9,263	10,674	13,242	16,381	18,131	18,565	28,371	27,085	25,169	20,909	10,253	122,652	224,186	234,439	+/- 100,000
Peptides having up to 20 amino acids in an undefined or only partially defined sequence; Derivatives thereof	C07K4	10	24	33	22	22	89	94	91	81	37	80	97	156	177	112	59	583	1,125	1,184	1,628
Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof (Viruses);	C07K14	756	862	934	905	1,027	5,023	6,563	7,422	9,775	11,274	12,648	14,560	17,015	15,855	12,946	6,261	57,189	117,565	123,826	+/- 100,000
From bacteria	C07K14/195	15	12	13	7	17	57	63	80	69	72	92	132	208	285	266	154	497	1,388	1,542	1,857
From plants	C07K14/415	17	16	25	26	34	81	106	136	154	216	301	443	552	479	519	258	1,112	3,105	3,363	4,368
From animals; from humans	C07K14/435	51	48	68	57	99	290	261	335	348	456	656	2,656	2,841	1,996	762	313	2,669	10,924	11,237	12,428
From protozoa	C07K14/44	6	2	3	2	3	22	18	34	26	33	38	40	42	53	34	34	187	356	390	476
From mammals	C07K14/47	68	93	103	93	103	410	613	921	1,352	1,674	2,838	3,941	3,950	3,153	2,889	1,223	8,268	22,201	23,424	25,719
Immunoglobulins, e.g. monoclonal or polyclonal antibodies	C07K16	228	277	360	355	526	1,769	2,797	3,004	4,348	6,097	6,488	8,732	11,115	8,110	6,769	3,435	26,249	60,975	64,410	67,814
Carrier-bound or immobilised peptides	C07K17	213	245	301	294	382	364	323	369	296	264	354	381	1,030	915	690	269	3,405	6,421	6,690	9,423
Hybrid peptides	C07K19	48	81	74	93	87	238	352	445	354	555	594	777	1,158	1,148	1,201	614	2,921	7,205	7,819	9,359

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Organic Macromolecular Compounds; Their Preparation or Chemical Working-Up; Compositions based thereon.	C08	33,594	34,065	34,830	33,867	38,177	36,593	40,211	42,330	42,405	47,341	46,854	49,257	54,728	53,390	52,610	25,643	430,267	640,252	665,895	+/- 100,000
Polysaccharide; Derivatives thereof	C08B	709	858	916	1,084	848	1,080	1,002	1,324	1,127	1,086	1,466	1,722	1,840	1,784	1,740	906	11,500	18,586	19,492	37,308
Treatment or chemical modification of rubbers	C08C	159	162	201	176	180	186	184	251	192	211	204	217	307	308	297	137	2,106	3,235	3,372	10,058
Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds	C08F	8,592	7,988	9,505	10,124	10,730	9,357	10,492	11,518	11,515	13,059	12,747	13,833	14,597	14,670	13,781	6,371	115,627	172,508	178,879	+/- 100,000
Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	C08G	8,097	9,324	9,651	10,347	10,313	10,321	10,293	9,677	10,721	11,958	12,242	12,472	13,928	14,321	13,900	6,905	112,944	167,565	174,470	+/- 100,000
Derivatives of natural macromolecular compounds	C08H	84	87	106	111	83	76	87	79	98	84	82	104	138	123	145	79	977	1,487	1,566	5,719

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
Use of inorganic or non-macromolecular organic substances as compounding ingredients	C08K	5,476	6,566	6,764	7,006	7,835	8,289	8,220	8,917	8,954	10,600	10,669	12,172	14,124	12,214	12,737	6,467	89,296	140,543	147,010	+/- 100,000
Compositions of macromolecular compounds	C08L	13,387	13,877	15,309	16,359	17,263	14,181	16,563	17,833	18,177	19,727	20,057	21,948	23,373	21,875	21,463	10,387	182,733	271,392	281,779	+/- 100,000
Biochemistry; Beer; Spirits; Wine; Vinegar; Microbiology; Enzymology; Mutation or Genetic Engineering	C12	15,191	16,840	17,108	19,028	20,228	20,410	21,680	26,716	32,410	34,827	38,943	43,473	57,538	59,266	52,093	26,383	263,381	475,751	502,134	+/- 100,000
Apparatus for Enzymology or Microbiology	C12M	959	944	1,173	850	1,118	916	883	948	920	1,134	1,716	2,276	3,456	3,682	3,367	2,173	11,561	24,342	26,515	39,270
Microorganisms or Enzymes, compositions thereof, propagating, preserving, or maintaining microorganism; Mutation or Genetic Engineering; Culture Media	C12N	9,467	10,438	11,426	12,404	13,063	13,530	14,205	17,577	22,308	25,016	27,379	31,760	41,113	40,142	33,474	16,917	176,813	323,302	340,219	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Micro-organisms, e.g. protozoa; Compositions thereof: Processes of propagating, maintaining or preserving micro-organisms or compositions thereof; Processes of preparing or isolating a composition containing a micro-organism; Culture media thereof	C12N1	2,706	2,596	3,056	3,132	3,429	3,769	4,068	4,438	4,553	5,786	5,945	6,806	8,444	8,188	6,980	3,455	43,478	73,896	77,351	96,284
Unicellular algae; Culture media thereof	C12N1/12	40	53	55	65	88	86	69	89	70	76	95	128	146	115	126	64	786	1,301	1,365	1,905
Fungi, Culture media thereof	C12N1/14	163	168	162	257	216	236	243	297	256	272	272	348	471	498	441	201	2,542	4,300	4,501	7,038
Yeasts; Culture media thereof	C12N1/16	123	106	133	137	163	116	122	143	122	96	113	132	239	295	254	130	1,374	2,294	2,424	4,547
Bacteria; Culture media thereof	C12N1/20	984	836	895	1,006	920	1,110	828	1,113	928	1,328	1,796	1,936	2,077	2,110	1,736	852	11,744	19,603	20,455	32,685
Undifferentiated human, animal or plant cells, e.g. cell lines; Tissues; Cultivation or maintenance thereof; Culture media thereof	C12N5	2,223	2,121	2,187	2,690	3,345	3,476	4,230	4,509	5,908	7,432	8,188	10,032	13,084	15,211	10,007	4,954	46,309	94,643	99,597	+/- 100,000
Undifferentiated Plant cells or tissues	C12N5/04	142	143	140	121	109	128	170	159	193	348	358	368	535	804	772	418	2,011	4,490	4,908	6,276

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
Undifferentiated Animal cells or tissues	C12N5/ 06	176	150	191	191	180	220	283	421	379	426	777	1,348	3,337	5,676	2,355	1,024	3,394	16,110	17,134	19,351
Undifferentiated Human cells or tissues	C12N5/ 08	60	107	145	196	195	205	231	295	262	302	492	747	1,130	1,401	1,139	788	2,490	6,907	7,695	9,326
Viruses, e.g. bacteriophages; Compositions thereof; Preparation or purification thereof	C12N7	324	260	302	356	403	496	551	712	636	712	983	1,220	1,472	1,490	1,336	683	5,735	11,253	11,936	16,893
Enzymes, Proenzymes, compositions thereof	C12N9	1,623	1,859	2,103	2,669	2,671	3,392	3,370	3,634	4,052	5,159	5,904	7,662	9,054	9,680	6,963	3,465	36,436	69,795	73,260	87,944
Proteinases, from Bacteria	C12N9/ 52	35	39	45	56	49	56	60	58	63	59	52	55	76	62	74	72	572	839	911	1,368
Mutation or genetic engineering; DNA or RNA concerning genetic engineering, vectors, e.g. plasmids, or their isolation, preparation or purification; Use of hosts thereof	C12N15	5,216	5,849	6,296	7,194	8,760	9,466	10,785	11,996	15,952	18,879	20,254	24,080	28,664	23,825	21,126	10,862	120,647	218,342	229,204	+/- 100,000
Preparation of hybrid cells by fusion of two or more cells, e.g. protoplast fusion	C12N15 /02	103	87	92	88	100	182	239	207	193	174	211	168	195	172	190	93	1,676	2,401	2,494	2,852
Animal cells	C12N15 /06	198	191	160	231	204	59	45	63	66	75	48	40	50	45	44	19	1,340	1,519	1,538	1,616

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase
Recombinant DNA Technology (15/09), DNA or RNA fragments encoding for...	C12N15/09	395	379	353	440	512	1,228	1,575	1,393	1,479	2,085	3,006	3,548	5,344	5,138	6,121	3,201	12,845	32,996	36,197	42,719
Genes encoding for plant proteins	C12N15/29	35	68	131	132	142	161	140	246	306	552	866	747	750	636	614	316	2,779	5,526	5,842	7,430
Genes encoding protozoal proteins	C12N15/30	34	44	60	75	65	48	51	44	56	75	75	59	37	74	34	43	627	831	874	1,316
Genes encoding microbial proteins	C12N15/31	143	195	252	225	226	272	315	395	438	628	841	1,052	867	741	677	357	3,930	7,267	7,624	9,745
Proteins from RNA viruses	C12N15/40	20	34	39	55	58	48	71	61	57	61	98	97	108	73	96	44	602	976	1,020	1,439
Genes encoding for enzymes or proenzymes	C12N15/52	71	106	123	163	165	175	163	243	244	349	460	817	810	489	463	247	2,262	4,841	5,088	6,629
Recombinant DNA Technology using prokaryotes as hosts	C12N15/75 to 79																				
15/75 for Bacillus	C12N15/75	46	44	57	63	66	48	40	51	54	54	50	34	42	64	40	26	573	753	779	1,057
15/79 . . . Vectors or expression systems specially adapted for eukaryotic hosts;	C12N15/79	21	44	45	60	60	70	90	139	146	153	116	155	180	162	168	91	944	1,609	1,700	2,210
Recombinant DNA Technology using eukaryotes as hosts	C12N15/80 to 86																				

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
For fungi	C12N15/ /80	26	27	51	46	59	52	64	53	60	67	82	84	84	82	84	59	587	921	980	1,452
Recombinant DNA Technology for yeasts	C12N15/ /81	119	135	104	153	170	124	118	161	142	206	201	197	224	139	197	111	1,633	2,390	2,501	3,842
Recombinant DNA technology for plant cells	C12N15/ /82	59	131	171	270	293	280	337	611	689	1,338	2,467	2,414	2,300	2,118	2,190	1,201	6,646	15,668	16,869	19,744
Recombinant DNA Technology for Animal cells	C12N15/ /85	153	124	194	172	223	279	306	507	534	824	992	1,505	1,185	1,281	1,083	610	4,308	9,362	9,972	12,030
... Viral vectors	C12N15/ /86	96	107	142	164	189	298	441	553	646	943	936	1,256	1,105	1,055	920	507	4,515	8,851	9,358	11,752
Fermentation or Enzyme using processes to synthesise chemical compounds	C12P	5,989	6,146	6,112	6,860	6,857	6,415	6,950	7,300	7,167	8,033	8,098	8,935	13,978	17,120	11,688	4,983	75,927	127,648	132,631	+/- 100,000
Measuring or testing processes involving enzymes or microorganisms	C12Q	2,485	2,974	3,393	3,747	3,946	4,860	5,980	7,292	9,148	11,164	12,852	15,240	20,801	21,566	18,501	10,211	67,841	143,949	154,160	+/- 100,000
Indexing classifiers for microorganisms for sub-classes C12C to C12Q and C12S	C12R	1,294	1,077	1,129	1,974	2,929	2,715	2,736	2,690	2,751	2,669	2,222	2,158	2,212	1,824	1,456	607	24,186	31,836	32,443	49,157
I:38 .Pseudomonas	C12R1/ 38	60	51	64	92	144	116	115	106	97	73	74	85	89	69	56	21	992	1,291	1,312	1,973
I:46 .Streptococcus	C12R1/ 46	29	22	27	41	44	41	48	56	53	89	44	51	71	32	30	12	494	678	690	945
I:465 .Streptomyces	C12R1/ 465	76	65	76	120	171	152	127	118	109	100	84	67	92	89	75	23	1,198	1,521	1,544	3,165
I:645 . Fungi	C12R1/ 645	104	91	99	154	270	279	214	245	250	224	203	192	251	342	199	65	2,133	3,117	3,182	4,569

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase
1:865 .Saccharomyces cerevisiae	C12R1/ 865	67	61	58	91	150	149	143	141	128	104	85	71	80	67	55	33	1,177	1,450	1,483	2,087
1:91 Cell lines	C12R1/ 91	147	133	139	353	610	532	581	553	315	535	417	359	445	224	107	46	4,315	5,450	5,496	8,346
1:00 Micro- organisms	C12R1	1,264	1,046	1,104	1,962	2,860	2,707	2,732	2,680	2,740	2,658	2,214	2,135	2,251	1,813	1,442	605	23,967	31,608	32,213	48,643
1:01 Bacteria or actinomycetales	C12R1/ 01	141	114	140	227	399	341	344	366	398	338	321	284	390	263	241	100	3,129	4,307	4,407	6,125
1:07 Bacillus	C12R1/ 07	95	82	66	113	184	155	154	153	133	137	103	105	165	124	85	30	1,375	1,854	1,884	2,737
1:125 Bacillus subtilis	C12R1/ 125	26	24	32	57	87	47	45	57	61	48	49	47	59	52	29	13	533	720	733	1,161
1:15 Corynebacter- ium	C12R1/ 15	45	19	34	32	50	34	50	38	36	31	45	88	165	99	54	19	414	820	839	1,500
1:19 Escherichia coli	C12R1/ 19	232	182	164	360	544	581	613	604	684	609	428	340	303	257	180	50	5,001	6,081	6,131	9,034
Processes using enzymes or microorganisms to liberate, separate or purify pre- existing compound or composition	C12S	61	139	252	226	257	321	282	233	214	162	140	125	187	186	179	66	2,287	2,964	3,030	3,582

Table IIIb. Searches Conducted on the 18th of August 2005 (combined indicators)

Notes:

1. Data derived from esp@cenet. Location: <http://lep.espacenet.com/>.
2. The 2005 dataset is divided between single indicators (a) and combined indicators (b).
3. Guide numbers refer to an initial search of the whole database to identify areas of interest a few days before the main data run.
4. All numbers from esp@cenet are approximate and refer to patent publication counts.
5. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
6. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC). <http://www.wipo.int/classifications/ipc/en/>.
7. Nanotechnology indicators are limited (see also Y01N in the European Classification for more detailed results using esp@cenet)

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A01H and A23L																					554
A01H and A23N																					2
A01H and A61K	16	18	20	16	27	21	32	54	20	39	27	21	123	141	135	70	290	710	780	1,253	
A01H and A61K31																					158
A01H and A61K35																					209
A01H and A61K35/78																					152
A01H and A61P																					195
A01H and C07	52	64	57	61	82	95	103	182	188	305	400	635	786	969	750	384	1,589	4,729	5,113	6,621	
A01H and C07H	30	43	39	29	39	36	58	89	79	83	67	84	294	539	357	208	592	1,866	2,074	2,493	
A01H and (C07H19 or C07H21)	24	37	24	20	29	25	45	72	67	62	62	79	286	531	350	204	467	1,713	1,917	2,237	
A01H and (C07H and C12N)	30	41	33	27	36	34	56	87	76	80	65	72	269	524	350	205	565	1,780	1,985	2,386	
A01H and C08																					356
A01H and C12N	247	280	293	426	503	479	630	871	958	1,815	2,699	2,684	2,758	2,567	2,525	1,368	9,201	19,735	21,103	25,270	
A01H and C12N1	42	59	58	64	71	66	79	128	96	99	175	183	209	210	200	113	937	1,739	1,852	2,742	
A01H and C12N5	136	186	180	283	282	252	279	383	397	733	995	1,175	1,259	1,325	1,095	631	4,106	8,960	9,591	12,481	
A01H and C12N5/04	83	80	77	88	88	90	132	132	163	277	281	314	423	671	634	368	1,491	3,533	3,901	4,854	
A01H and C12N7																					191
A01H and C12N9	15	26	47	60	70	71	77	113	126	249	405	538	522	583	460	269	1,259	3,362	3,631	4,675	
A01H and C12N15	139	212	230	343	412	385	516	716	742	1,545	2,413	2,416	2,429	2,292	2,218	1,203	7,653	17,008	18,211	21,719	
A01H and C12N15/05																					238
A01H and C12N15/09	12	13	12	17	37	75	87	105	97	159	176	231	409	331	395	181	790	2,156	2,337	2,901	
A01H and C12N15/29	19	45	58	75	85	78	91	184	206	382	538	522	552	500	418	202	1,761	3,753	3,955	4,976	
A01H and C12N15/82	45	114	132	208	226	208	286	497	507	977	1,843	1,757	1,674	1,673	1,583	939	5,043	11,730	12,669	15,072	
A01H and (C07H and																					57

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase	Guide Numbers
G01N)																					
A01H and (C07H and G06F)																					8
A01H and G01N																					805
A01H and G06F																					35
A01H and (C12N and G01N)																					713
A01H and (C12N and G06F)																					20
A01H and (G01N and G06F)																					14
A01H and (G01N or G06F)																					834
A01H and (C and G)																					782
A01H and G																					896
A01H and C12M																					240
A01H and C12P	32	49	47	57	76	48	55	67	59	73	109	168	259	337	215	119	672	1,651	1,770	2,410	
A01H and C12Q	8	19	19	33	29	46	44	67	99	100	230	202	311	374	316	193	694	1,897	2,090	2,791	
A01H and C12S																					19
A01H and C12R																					759
A01H5 and A61K	4	11	15	10	17	16	25	42	27	32	33	68	103	99	95	49	232	597	646	906	
A01H5 and A61K31																					125
A01H5 and A61K35																					125
A01H5 and A61K35/78																					90
A01H5 and A61P																					157
A01H5 and C07	20	44	42	50	58	72	83	135	147	250	331	543	666	655	441	204	1,232	3,537	3,741	4,761	
A01H5 and C07H	9	28	26	22	21	22	38	55	52	52	50	56	225	264	120	51	375	1,040	1,091	1,206	
A01H5 and (C07H19 or C07H21)	8	26	18	16	15	17	37	54	52	44	48	55	220	257	111	48	335	978	1,026	1,117	
A01H5 and (C07H and C12N)	9	27	23	21	20	20	36	55	52	50	47	54	205	255	111	51	360	985	1,036	1,150	
A01H5 and C08																					282
A01H5 and C12N	61	179	188	272	333	357	400	649	756	1496	2345	2363	2352	1975	1832	963	7,036	15,558	16,521	19,754	
A01H5 and C12N1	16	42	35	45	48	52	67	100	74	78	158	172	164	157	154	90	715	1,362	1,452	2,042	
A01H5 and C12N5	40	104	120	171	194	189	208	268	324	594	834	1045	1099	995	865	443	3,046	7,050	7,493	9,664	
A01H5 and C12N5/04	2	14	29	23	47	52	90	90	153	217	221	251	367	422	432	212	938	2,410	2,622	3,417	
A01H5 and C12N7																					106
A01H5 and C12N9	9	21	45	57	60	69	74	102	116	206	359	480	454	393	283	155	1,118	2,728	2,883	3,690	
A01H5 and C12N15	57	162	169	252	308	332	362	585	656	1325	2140	2174	2131	1754	1618	838	6,348	14,025	14,863	17,822	
A01H5 and C12N15/05																					119
A01H5 and C12N15/09	6	7	10	14	29	59	70	97	82	124	143	228	330	269	344	160	641	1,812	1,972	2,416	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A01H5 and C12N15/29	13	35	48	62	71	66	82	150	188	333	481	472	516	439	346	157	1,529	3,302	3,459	4,305	
A01H5 and C12N15/82	32	82	117	173	192	191	245	431	476	924	1695	1614	1527	1285	1116	605	4,558	10,100	10,705	12,796	
A01H5 and (C07H and G01N)																					42
A01H5 and (C07H and G06F)																					8
A01H5 and G01N	1	2	4	4	7	6	9	13	23	42	58	60	72	68	60	27	169	429	456	630	
A01H5 and G06F	0	0	0	0	0	0	0	0	0	0	2	3	10	10	2	4	2	27	31	25	
A01H5 and (C12N and G01N)	1	2	4	4	5	6	8	12	22	39	58	59	65	66	60	25	161	411	436	604	
A01H5 and (C12N and G06F)																					0
A01H5 and (G01N and G06F)																					10
A01H5 and (G01N or G06F)																					667
A01H5 and (C and G)																					653
A01H5 and G																					680
A01H5 and C12M																					45
A01H5 and C12P	11	28	35	39	47	37	38	57	58	67	88	142	226	244	162	89	505	1,279	1,368	1,756	
A01H5 and C12Q	5	16	14	28	23	37	40	61	84	98	209	177	245	236	203	107	615	1,476	1,583	2,133	
A01H5 and C12S																					12
A01H5 and C12R																					1
A61K31 and A23L	99	141	143	167	194	220	261	246	239	279	194	220	954	1,000	1,266	662	2,183	5,623	6,285	9,104	
A61K31 and A61K35	255	225	345	389	467	455	480	697	596	699	735	1,266	1,617	2,172	2,005	1,079	5,343	12,403	13,482	17,292	
A61K31 and A61K35/78	150	124	195	209	264	255	250	361	324	424	485	741	1,012	1,360	1,351	778	3,041	7,505	8,283	10,642	
A61K31 and C07	12,175	11,268	13,383	13,765	15,904	17,559	18,057	19,038	20,102	21,662	22,681	25,689	28,737	31,431	31,051	13,930	185,594	302,502	316,432	+/- 100,000	
A61K31 and C07C	1,815	1,726	2,071	2,472	3,240	3,565	3,501	3,536	3,683	3,964	4,081	4,351	4,938	5,110	4,738	2,052	33,654	52,791	54,843	91,477	
A61K31 and C07D	8,509	8,692	10,327	10,911	12,044	12,849	13,137	14,187	15,179	16,353	17,395	19,644	21,517	24,022	24,274	11,084	139,583	229,040	240,124	+/- 100,000	
A61K31 and C07F	585	662	705	876	1,064	1,230	851	999	742	582	1,064	1,230	1,035	1,103	1,064	462	9,360	13,792	14,254	21,591	
A61K31 and C07G																					737
A61K31 and C07J	200	222	259	344	325	438	447	436	395	416	531	518	722	715	660	290	4,013	6,628	6,918	15,316	
A61K31 and C07K	215	264	302	374	422	597	718	795	979	897	970	1,541	1,982	1,782	1,358	582	6,533	13,196	13,778	17,040	
A61K31 and (A61K35 and C07)	101	90	109	106	117	168	172	216	120	179	119	124	278	383	333	215	1,497	2,615	2,830	3,768	
A61K31 and C07H	764	824	989	886	1,089	1,526	1,630	1,629	1,248	1,476	1,645	1,898	2,147	2,206	2,103	969	13,706	22,060	23,029	35,812	
A61K31 and (C07H19 or C07H21)	260	291	430	422	455	639	781	818	455	524	620	822	893	1,183	932	402	5,695	9,525	9,927	13,780	
A61K31 and (A61K35	23	29	31	23	36	50	51	77	42	45	36	34	52	78	73	54	443	680	734	924	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
and C07H)																					
A61K31 and C08	238	205	242	301	350	297	293	315	319	308	282	415	560	546	613	355	3,150	5,284	5,639	10,007	
A61K31 and C08B	118	163	146	220	219	186	224	211	243	197	188	212	320	300	343	239	2,115	3,290	3,529	6,524	
A61K31 and C08C																				8	
A61K31 and C08F	33	38	40	34	47	40	35	32	33	43	44	55	96	71	69	39	419	710	749	1,149	
A61K31 and C08G	26	24	43	43	42	62	53	63	68	49	42	62	114	112	116	55	515	919	974	1,503	
A61K31 and C08H																				48	
A61K31 and C08K																				303	
A61K31 and C08L																				769	
A61K31 and C07 and C08)	66	71	78	85	98	90	89	85	85	94	98	90	126	150	133	54	939	1,438	1,492	2,352	
A61K31 and C07 or C08)	13,249	11,493	13,664	14,022	16,208	17,852	18,314	19,349	20,488	21,980	22,991	26,061	29,244	31,944	31,538	14,226	189,610	308,397	322,623	+/- 100,000	
A61K31 and (A61K35 and C08)																				381	
A61K31 and (C07H or C12N)	994	1,115	1,278	1,287	1,645	2,043	2,473	2,529	2,404	2,671	3,037	3,727	4,512	4,579	3,755	1,788	21,476	38,049	39,837	53,877	
A61K31 and (C07H and C12N)	46	66	99	93	120	211	255	324	200	192	212	243	428	432	250	133	1,818	3,171	3,304	4,328	
A61K31 and C12N	257	283	309	359	509	715	1,067	1,145	1,050	1,250	1,346	1,975	2,584	2,493	1,958	955	8,290	17,300	18,255	21,843	
A61K31 and C12N1	100	96	92	102	123	110	123	121	132	215	207	379	656	476	420	210	1,421	3,352	3,562	4,966	
A61K31 and C12N5	39	41	56	84	121	159	184	238	209	308	358	576	943	944	561	292	1,797	4,821	5,113	6,463	
A61K31 and C12N5/04																				39	
A61K31 and C12N5/06	6	5	9	14	5	10	20	36	33	34	45	47	134	172	90	48	217	660	708	842	
A61K31 and C12N5/08																				420	
A61K31 and C12N7																				694	
A61K31 and C12N9	112	130	134	106	151	185	219	228	216	259	188	289	483	372	286	159	1,928	3,358	3,517	5,197	
A61K31 and C12N15	43	55	104	163	246	440	758	824	851	970	999	1,594	2,036	1,861	1,460	753	5,453	12,404	13,157	15,076	
A61K31 and C12N15/06																				30	
A61K31 and C12N15/07																				4	
A61K31 and C12N15/08																				1	
A61K31 and C12N15/09	7	14	14	11	16	79	143	158	162	434	268	333	821	570	629	388	1,306	3,659	4,047	4,701	4,583
A61K31 and C12N15/52																				167	
A61K31 and C12N15/82																				86	
A61K31 and C12N15/85																				841	
A61K31 and C12M																				145	
A61K31 and C12P	287	321	367	453	467	397	408	400	308	563	476	477	796	832	643	314	4,447	7,195	7,509	11,685	
A61K31 and C12Q	33	43	79	137	168	196	362	424	563	536	493	865	1,414	1,614	1,011	534	3,034	7,938	8,472	9,988	
A61K31 and C12R	101	71	68	128	237	183	208	202	239	336	217	155	206	154	103	38	1,990	2,608	2,646	3,632	
A61K31 and C12S																				24	
A61K31 and A61P	x	x	x	x	x	x	x	x	x	x	11,365	17,699	24,904	28,062	30,828	14,905	11,365	112,858	127,763	+/-	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A61K31 and A61P1	x	x	x	x	x	x	x	x	x	x	721	1,225	2,078	2,405	2,983	1,643	721	9,412	11,055	100,000	
A61K31 and A61P3	x	x	x	x	x	x	x	x	x	x	1,010	1,763	3,145	3,700	4,586	2,366	1,010	14,204	16,570	12,682	
A61K31 and A61P5	x	x	x	x	x	x	x	x	x	x	277	568	1,195	1,456	1,579	755	277	5,075	5,830	17,333	498
A61K31 and A61P7	x	x	x	x	x	x	x	x	x	x	1,288	2,738	4,455	4,365	5,268	2,632	1,288	18,114	20,746	6,925	
A61K31 and A61P9	x	x	x	x	x	x	x	x	x	x	325	507	1,036	1,175	1,780	872	325	4,823	5,695	22,283	
A61K31 and A61P13	x	x	x	x	x	x	x	x	x	x	348	535	1,328	1,455	1,591	761	348	5,257	6,018	6,742	
A61K31 and A61P15	x	x	x	x	x	x	x	x	x	x	641	1,177	2,165	2,373	2,866	1,538	641	9,222	10,760	6,557	
A61K31 and A61P17	x	x	x	x	x	x	x	x	x	x	530	1,166	1,846	2,038	2,427	1,281	530	8,007	9,288	12,404	
A61K31 and A61P19	x	x	x	x	x	x	x	x	x	x										10,579	
A61K31 and A61P21	x	x	x	x	x	x	x	x	x	x										451	
A61K31 and A61P23	x	x	x	x	x	x	x	x	x	x	2,396	3,773	5,601	6,362	7,469	3,591	2,396	25,601	29,192	31,235	21
A61K31 and A61P25	x	x	x	x	x	x	x	x	x	x											
A61K31 and A61P27	x	x	x	x	x	x	x	x	x	x	874	1,343	2,906	3,236	4,080	1,917	874	12,439	14,356	15,953	764
A61K31 and A61P29	x	x	x	x	x	x	x	x	x	x	1,484	2,369	3,464	3,961	4,288	2,250	1,484	15,566	17,816	19,051	
A61K31 and A61P31	x	x	x	x	x	x	x	x	x	x							0	0	0		
A61K31 and A61P33	x	x	x	x	x	x	x	x	x	x	1,554	3,151	4,995	4,946	5,959	3,025	1,554	20,605	23,630	25,529	
A61K31 and A61P35	x	x	x	x	x	x	x	x	x	x	685	1,222	2,210	2,451	2,796	1,443	685	9,364	10,807	12,259	
A61K31 and A61P37	x	x	x	x	x	x	x	x	x	x	81	142	272	307	350	240	81	1,152	1,392	1,742	
A61K31 and A61P39	x	x	x	x	x	x	x	x	x	x											
A61K31 and A61P41	x	x	x	x	x	x	x	x	x	x											63
A61K31 and A61P43	x	x	x	x	x	x	x	x	x	x	947	1,832	4,097	3,549	4,674	2,409	947	15,099	17,508	19,650	
A61K31 and (A61P and C07)	x	x	x	x	x	x	x	x	x	x	6,594	10,298	14,574	16,373	18,105	8,126	6,594	65,944	74,070	78,827	
A61K31 and (A61P and C07H)	x	x	x	x	x	x	x	x	x	x	261	478	871	876	989	502	261	3,475	3,977	4,943	
A61K31 and (A61P and C08)	x	x	x	x	x	x	x	x	x	x	68	109	168	164	254	135	68	763	898	1,162	
A61K31 and (A61P and C12N)	x	x	x	x	x	x	x	x	x	x	323	542	1,233	1,259	1,074	602	323	4,431	5,033	6,064	
A61K31 and (A61P and G01N)	x	x	x	x	x	x	x	x	x	x	156	294	835	806	699	335	156	2,790	3,125	3,601	
A61K31 and (A61P and G06F)	x	x	x	x	x	x	x	x	x	x											49
A61K31 and G01N	67	68	104	130	169	167	295	363	542	353	596	1,002	1,697	1,540	1,132	537	2,854	8,225	8,762	10,809	
A61K31 and G06F																					244
A61K31 and (G01N and G06F)																					372
A61K31 and (C and G)	60	58	78	105	151	138	247	319	469	310	504	877	1,424	1,356	950	427	2,439	7,046	7,473	9,467	
A61K31 and G	84	78	111	140	176	177	308	376	534	359	599	1,050	1,759	1,627	1,248	577	2,942	8,626	9,203	11,360	
A61K35 and A23L	142	168	178	277	318	412	414	562	511	501	530	698	907	1,118	1,242	867	4,013	7,978	8,845	10,422	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A61K35 and C07	330	257	411	432	511	498	476	581	476	446	483	594	908	965	848	510	4,901	8,216	8,726	14,738	
A61K35 and C07C	38	25	27	30	26	35	41	43	34	37	26	35	54	59	38	34	362	548	582	817	
A61K35 and C07D	70	52	62	53	80	90	79	87	79	91	80	90	110	113	178	108	823	1,314	1,422	1,850	
A61K35 and C07F																				43	
A61K35 and C07G	91	80	71	76	94	90	64	49	29	27	27	25	22	23	43	18	698	811	829	2,940	
A61K35 and C07J																				491	
A61K35 and C07K	123	120	204	244	307	242	285	314	265	280	287	336	608	625	471	262	2,671	4,711	4,973	7,416	
A61K35 and C07H	47	50	50	53	73	77	96	150	87	59	57	85	131	160	133	92	799	1,308	1,400	2,134	
A61K35 and (C07H)19 or C07H21)	7	10	11	19	29	30	52	112	55	27	33	38	69	67	41	29	385	600	629	895	
A61K35 and C08	37	31	19	39	42	33	27	26	35	46	42	33	54	56	68	38	377	588	626	973	
A61K35 and C08B																				605	
A61K35 and C08C																				1	
A61K35 and C08F																				43	
A61K35 and C08G																				42	
A61K35 and C08H																				60	
A61K35 and C08K																				31	
A61K35 and C08L																				105	
A61K35 and (C07 and C08)																				161	
A61K35 and (C07 or C08)	364	274	426	459	539	523	503	613	499	479	539	523	947	1017	910	543	5,218	8,615	9,158	15,583	
A61K35 and (C07H or C12N)	203	210	299	405	486	426	604	810	502	794	1041	1346	1700	1836	1594	817	5,780	12,256	13,073	16,588	
A61K35 and (C07H and C12N)																					873
A61K35 and C12N	172	185	258	365	451	386	566	735	468	744	964	1203	1623	1734	1456	747	5,294	11,310	12,057	15,339	
A61K35 and C12N1	69	68	79	93	139	104	123	128	137	172	182	177	395	400	457	179	1,294	2,723	2,902	4,080	
A61K35 and C12N5	80	76	123	156	229	187	210	342	262	278	344	529	874	997	695	414	2,287	5,382	5,796	7,686	
A61K35 and C12N5/04																				94	
A61K35 and C12N5/06	24	10	16	30	35	46	70	88	63	72	120	163	244	288	259	160	574	1,528	1,688	2,271	
A61K35 and C12N5/08	11	22	38	51	65	79	96	115	64	85	109	136	180	234	153	94	735	1,438	1,532	1,915	
A61K35 and C12N7	15	16	17	23	30	42	58	77	71	70	63	84	142	121	137	83	482	966	1,049	1,363	
A61K35 and C12N9	26	34	35	36	54	69	83	108	80	74	69	79	139	183	113	62	668	1,182	1,244	1,552	
A61K35 and C12N15	39	54	82	118	181	162	282	306	246	330	266	478	836	781	596	368	2,066	4,757	5,125	6,821	
A61K35 and C12N15/06																				35	
A61K35 and C12N15/07																				7	
A61K35 and C12N15/08																				7	
A61K35 and C12N15/09	5	5	4	8	19	37	69	124	170	213	120	197	464	455	406	215	774	2,296	2,511	2,741	
A61K35 and C12N15/52																				51	
A61K35 and C12N15/82																				57	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A61K35 and C12N15/85																					445
A61K35 and C12M																					198
A61K35 and C12P	129	105	129	167	224	180	162	183	186	168	127	161	298	271	262	118	1,760	2,752	2,870	5,571	
A61K35 and C12Q	17	32	39	56	69	71	104	102	104	95	102	150	313	378	298	136	791	1,930	2,066	2,725	
A61K35 and C12R	48	38	32	63	130	130	149	140	171	175	99	100	236	134	97	44	1,175	1,742	1,786	2,884	
A61K35 and C12S																					42
A61K35 and A61P	x	x	x	x	x	x	x	x	x	x	2288	4014	6040	5809	6618	4264	2,288	24,769	29,033	32,900	
A61K35 and A61P1	x	x	x	x	x	x	x	x	x	x	278	440	1056	1031	1113	734	278	3,918	4,652	5,442	
A61K35 and A61P3	x	x	x	x	x	x	x	x	x	x	183	361	670	699	836	590	183	2,749	3,339	3,594	
A61K35 and A61P5																					498
A61K35 and A61P7	x	x	x	x	x	x	x	x	x	x	70	125	249	299	346	240	70	1,089	1,329	1,536	
A61K35 and A61P9	x	x	x	x	x	x	x	x	x	x	133	328	677	756	905	633	133	2,799	3,432	3,871	
A61K35 and A61P13	x	x	x	x	x	x	x	x	x	x	56	89	216	273	314	202	56	948	1,150	1,265	
A61K35 and A61P15	x	x	x	x	x	x	x	x	x	x	85	173	315	340	355	325	85	1,268	1,593	1,809	
A61K35 and A61P17	x	x	x	x	x	x	x	x	x	x	324	520	1018	1031	1075	704	324	3,968	4,672	5,754	
A61K35 and A61P19	x	x	x	x	x	x	x	x	x	x	139	285	479	532	615	406	139	2,050	2,456	2,814	
A61K35 and A61P21																					451
A61K35 and A61P23																					21
A61K35 and A61P25	x	x	x	x	x	x	x	x	x	x	128	246	481	569	697	432	128	2,121	2,553	3,077	
A61K35 and A61P27																					764
A61K35 and A61P29	x	x	x	x	x	x	x	x	x	x	106	237	554	610	672	462	106	2,179	2,641	2,997	
A61K35 and A61P31	x	x	x	x	x	x	x	x	x	x	158	336	830	915	964	641	158	3,203	3,844	4,432	
A61K35 and A61P33																					326
A61K35 and A61P35	x	x	x	x	x	x	x	x	x	x	214	366	845	884	941	608	214	3,250	3,858	4,697	
A61K35 and A61P37	x	x	x	x	x	x	x	x	x	x	143	259	546	654	687	388	143	2,289	2,677	3,201	
A61K35 and A61P39	x	x	x	x	x	x	x	x	x	x	54	99	141	153	175	135	54	622	757	881	
A61K35 and A61P41																					63
A61K35 and A61P43	x	x	x	x	x	x	x	x	x	x	170	307	821	743	868	475	170	2,909	3,384	4,011	
A61K35 and (A61P and C07)	x	x	x	x	x	x	x	x	x	x	120	208	491	492	512	314	120	1,823	2,137	2,699	
A61K35 and (A61P and C07H)																					334
A61K35 and (A61P and C08)																					129
A61K35 and (A61P and C12N)	x	x	x	x	x	x	x	x	x	x	207	298	861	912	769	467	207	3,047	3,514	4,164	
A61K35 and (A61P and G01N)	x	x	x	x	x	x	x	x	x	x	46	52	185	204	174	104	46	661	765	964	
A61K35 and G01N	48	57	74	79	109	104	126	143	150	153	129	151	344	419	278	160	1,172	2,364	2,524	3,685	
A61K35 and G06F																					30
A61K35 and (A61P and																					13

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
G06F)																					
A61K35 and (G01N and G06F)																					12
A61K35 and (C and G)	38	40	56	65	84	84	113	120	127	115	99	132	280	343	205	118	941	1,901	2,019	2,556	
A61K35 and G	49	58	75	81	110	104	135	145	151	153	110	104	358	446	302	165	1,171	2,381	2,546	3,788	
A61K35/78 and A23L	105	131	144	163	221	299	320	405	350	361	359	445	616	753	870	668	2,858	5,542	6,210	7,365	
A61K35/78 and C07	124	116	105	94	119	145	135	149	144	137	119	132	215	262	311	194	1,387	2,307	2,501	3,470	
A61K35/78 and C07C	21	16	14	18	14	18	17	18	20	23	31	28	39	45	33	29	210	355	384	436	
A61K35/78 and C07D	52	41	49	33	47	58	52	63	69	79	50	51	77	74	127	72	593	922	994	1,212	
A61K35/78 and C07F																				31	
A61K35/78 and C07G	38	31	13	13	14	23	27	10	10	8	11	14	12	14	28	12	198	266	278	469	
A61K35/78 and C07J																				345	
A61K35/78 and C07K	10	13	13	13	23	18	15	21	30	23	23	18	35	38	29	21	202	322	343	418	
A61K35/78 and C07H	28	27	30	23	28	37	37	32	28	38	28	44	44	93	77	57	336	594	651	829	
A61K35/78 and (C07H19 or C07H21)	1	1	1	1	2	2	2	5	3	3	4	5	6	14	9	4	25	59	63	56	
A61K35/78 and C08	23	14	5	18	15	13	4	8	7	18	7	10	17	21	25	15	132	205	220	287	
A61K35/78 and C08B																				225	
A61K35/78 and C08C																				1	
A61K35/78 and C08F																				4	
A61K35/78 and C08G																				1	
A61K35/78 and C08H																				19	
A61K35/78 and C08K																				11	
A61K35/78 and C08L																				32	
A61K35/78 and (C07 and C08)																				45	
A61K35/78 and (C07 or C08)	142	122	109	107	135	154	136	155	148	142	125	141	230	284	337	207	1,475	2,467	2,674	3,765	
A61K35/78 and (C07H or C12N)	58	50	58	53	64	72	83	104	71	68	74	105	147	211	185	112	755	1,403	1,515	1,781	
A61K35/78 and (C07H and C12N)	6	4	6	3	5	4	3	8	2	2	5	5	6	15	8	2	48	82	84	91	
A61K35/78 and C12N	37	28	34	34	39	38	50	80	45	35	53	71	109	138	104	59	473	895	954	1,103	
A61K35/78 and C12N1	6	4	10	10	11	5	14	8	9	6	17	17	32	23	15	10	100	187	197	204	
A61K35/78 and C12N5	17	8	9	11	14	8	15	16	14	13	15	23	21	29	24	9	140	237	246	260	
A61K35/78 and C12N5/04	10	4	5	5	6	5	8	2	6	5	6	7	7	8	6	2	62	90	92	86	
A61K35/78 and C12N5/06																				34	
A61K35/78 and C12N5/08																				15	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990-2000	1990-2004	1990-2005	Whole Dbase	Guide Numbers
A61K35/78 and C12N7	1	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	4	7	7	7	
A61K35/78 and C12N9	12	14	14	9	12	23	21	55	17	17	26	29	53	86	52	29	220	440	469	498	
A61K35/78 and C12N15	6	3	4	6	11	6	7	9	8	8	11	15	20	25	28	13	79	167	180	189	
A61K35/78 and C12N15/06																				1	
A61K35/78 and C12N15/07																				0	
A61K35/78 and C12N15/08																				0	
A61K35/78 and C12N15/09	2	1	1	0	1	0	3	5	1	4	3	8	10	12	13	9	21	64	73	70	
A61K35/78 and C12N15/52																				5	
A61K35/78 and C12N15/82																				43	
A61K35/78 and C12N15/85																				0	
A61K35/78 and C12M																				10	
A61K35/78 and C12P	11	16	16	19	28	24	32	20	21	14	14	26	44	39	46	20	215	370	390	462	
A61K35/78 and C12Q																				112	
A61K35/78 and C12R																				125	
A61K35/78 and C12S																				10	
A61K35/78 and A61P	x	x	x	x	x	x	x	x	x	x	1,407	2,618	4,010	4,164	4,459	3,157	1,407	16,658	19,815	23,038	
A61K35/78 and A61P1	x	x	x	x	x	x	x	x	x	x	217	355	841	678	829	548	217	2,920	3,468	4,061	
A61K35/78 and A61P3	x	x	x	x	x	x	x	x	x	x	132	277	440	444	563	399	132	1,856	2,255	2,494	
A61K35/78 and A61P5																				251	
A61K35/78 and A61P7	x	x	x	x	x	x	x	x	x	x	43	78	140	141	190	152	43	592	744	883	
A61K35/78 and A61P9	x	x	x	x	x	x	x	x	x	x	118	256	482	503	631	466	118	1,990	2,456	2,754	
A61K35/78 and A61P13	x	x	x	x	x	x	x	x	x	x	45	75	141	166	205	158	45	632	790	882	
A61K35/78 and A61P15	x	x	x	x	x	x	x	x	x	x	72	146	259	252	273	287	72	1,002	1,289	1,465	
A61K35/78 and A61P17	x	x	x	x	x	x	x	x	x	x	301	522	784	741	800	546	301	3,148	3,694	4,432	
A61K35/78 and A61P19	x	x	x	x	x	x	x	x	x	x	121	233	335	378	409	308	121	1,476	1,784	2,035	
A61K35/78 and A61P21																				175	
A61K35/78 and A61P23																				14	
A61K35/78 and A61P25	x	x	x	x	x	x	x	x	x	x	96	209	306	310	431	283	96	1,352	1,635	1,888	
A61K35/78 and A61P27																				468	
A61K35/78 and A61P29	x	x	x	x	x	x	x	x	x	x	95	185	440	429	460	357	95	1,609	1,966	2,165	
A61K35/78 and A61P31	x	x	x	x	x	x	x	x	x	x	99	225	459	506	595	427	99	1,884	2,311	2,596	
A61K35/78 and A61P33																				153	
A61K35/78 and A61P35	x	x	x	x	x	x	x	x	x	x	97	188	299	322	448	294	97	1,354	1,648	2,045	
A61K35/78 and A61P37	x	x	x	x	x	x	x	x	x	x	76	131	194	204	255	158	76	860	1,018	1,238	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase	Guide Numbers
A61K35/78 and A61P39																				678	
A61K35/78 and A61P41																				20	
A61K35/78 and A61P43	x	x	x	x	x	x	x	x	x	x	150	210	503	393	464	273	150	1,720	1,993	2,385	
A61K35/78 and (A61P and C07)	x	x	x	x	x	x	x	x	x	x	45	74	98	138	210	136	45	565	701	814	
A61K35/78 and (A61P and C07H)																				220	
A61K35/78 and (A61P and C08)																				40	
A61K35/78 and (A61P and C12N)																				316	
A61K35/78 and (A61P and G01N)																				98	
A61K35/78 and G01N	2	6	5	5	4	5	6	7	11	15	21	10	28	36	35	33	87	196	229	280	
A61K35/78 and G06F	x	x	x	x	x	x	x	x	x	x	0	4	6	3	2	0	0	15	15	10	
A61K35/78 and (A61P and G06F)																				5	
A61K35/78 and (G01N and G06F)																				3	
A61K35/78 and (C and G)																				69	
A61K35/78 and G																				327	
B82 and A23L																				2	
B82 and A01H																				0	
B82 and A01H5																				0	
B82 and A61											0	5	923	21	17	12	0	966	978	807	
B82 and A61K											0	0	921	20	11	9	0	952	961	853	
B82 and A61K31											0									8	
B82 and A61K 9/51											0									5	
B82 and A61K35											0	1	915	4	0	0	0	920	920	920	
B82 and A61K35/78											0	1	910	3	0	0	0	914	914	914	
B82 and C07H																				13	
B82 and (C07H19 or C07H21)																				8	
B82 and C12																				76	
B82 and C12N	0	0	0	0	0	0	0	0	0	1	1	3	5	10	13	19	2	33	52	47	
B82 and C12N1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	2	
B82 and C12N5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	5	5	5	
B82 and C12N5/04																				0	
B82 and C12N5/06																				0	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase	Guide Numbers
B82 and C12N5/08																				0	
B82 and C12N7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
B82 and C12N9	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	2	1	3	5	4	
B82 and C12N15	0	0	0	0	0	0	0	0	0	0	0	1	3	8	10	15	0	22	37	34	
B82 and C12N15/06																				0	
B82 and C12N15/07																				0	
B82 and C12N15/08																				0	
B82 and C12N15/09	0	0	0	0	0	0	0	0	0	0	0	1	3	3	5	14	0	12	26	25	
B82 and C12N15/52																				0	
B82 and C12N15/82																				0	
B82 and C12N15/85																				0	
B82 and C12M																				24	
B82 and C12P	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	2	3	3	
B82 and C12Q	0	0	0	0	0	0	0	0	1	1	2	3	4	12	5	7	4	28	35	33	
B82 and C12R																				0	
B82 and C12S																				0	
B82 and A61P	0	0	0	0	0	0	0	0	0	0	0	3	914	4	1	1	0	922	923	923	
B82 and A61P1	0	0	0	0	0	0	0	0	0	0	0	0	337	0	0	0	0	337	337	337	
B82 and A61P3	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	25	25	25	
B82 and A61P5																				4	
B82 and A61P7	0	0	0	0	0	0	0	0	0	0	0	0	68	0	1	0	0	69	69	69	
B82 and A61P9	0	0	0	0	0	0	0	0	0	0	0	0	111	0	1	0	0	112	112	112	
B82 and A61P13	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	27	27	27	
B82 and A61P15	0	0	0	0	0	0	0	0	0	0	0	0	81	0	0	0	0	81	81	81	
B82 and A61P17	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	33	33	33	
B82 and A61P19	0	0	0	0	0	0	0	0	0	0	0	0	54	0	0	0	0	54	54	54	
B82 and A61P21																				15	
B82 and A61P23																				0	
B82 and A61P25	0	0	0	0	0	0	0	0	0	0	0	1	67	0	0	1	0	68	69	69	
B82 and A61P27																				11	
B82 and A61P29	0	0	0	0	0	0	0	0	0	0	0	0	130	0	1	1	0	131	132	132	
B82 and A61P31	0	0	0	0	0	0	0	0	0	0	0	0	125	1	1	1	0	127	128	128	
B82 and A61P33																				5	
B82 and A61P35	0	0	0	0	0	0	0	0	0	0	0	0	19	2	1	1	0	22	23	25	
B82 and A61P37	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	31	31	7	
B82 and A61P39	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	7	7	
B82 and A61P41																				0	
B82 and A61P43	0	0	0	0	0	0	0	0	0	0	0	0	165	3	0	0	0	168	168	168	
B82 and (A61P and C07)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	
B82 and (A61P and																				0	

IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1990- 2000	1990- 2004	1990- 2005	Whole Dbase	Guide Numbers
C07H)																					
B82 and (A61P and C08)																				0	
B82 and (A61P and C12N)																				0	
B82 and (A61P and G01N)																				0	
B82 and G01N	0	0	0	0	0	0	0	0	0	2	6	17	41	39	55	49	8	160	209	215	
B82 and G06F																				2	
B82 and (A61P and G06F)																				0	
B82 and (G01N and G06F)																				0	
B82 and (C and G)	0	0	0	0	0	1	0	0	0	1	4	10	20	29	44	41	6	109	150	144	
B82 and G	20	0	0	0	1	1	1	1	0	3	11	47	76	79	141	99	38	381	480	478	

Table IV. Searches Conducted on the 24th of September 2004

Notes:

1. Data derived from esp@cenet. Location: <http://ep.espacenet.com/>.
2. All numbers from esp@cenet are approximate and refer to patent publication counts.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
4. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC). <http://www.wipo.int/classifications/ipc/en/>.
5. Nanotechnology indicators are limited (see also Y01N in the European Classification for more detailed results using esp@cenet).

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
Plants, processes for modifying genotypes	A01H1/00	126	133	114	161	195	138	140	181	265	295	441	385	488	802	2,189	3,864	5,426
Tissue culture techniques	A01H4/00	175	246	239	235	269	210	274	236	359	443	425	320	226	226	3,111	3,883	3,966
Flowering Plants	A01H5/00	450	573	707	915	1,098	1,040	1,213	1,447	2,018	2,371	3,005	2,842	3,864	3,391	14,837	24,934	30,498
Flowers	A01H5/02	27	21	29	14	32	34	32	48	45	54	92	37	46	28	428	539	759
Stems	A01H5/04	3	5	4	7	2	5	5	15	14	6	10	9	9	5	76	99	131
Roots	A01H5/06	6	5	6	17	6	6	6	16	6	9	13	12	5	10	96	123	146
Fruits	A01H5/08	8	35	25	43	26	44	25	44	25	41	32	42	61	49	348	500	900
Seeds	A01H5/10	105	120	165	194	150	220	306	288	404	555	592	565	574	446	3,099	4,684	5,366
Leaves	A01H5/12	5	15	9	7	6	6	13	16	14	8	14	13	12	9	113	147	248
Gymnosperms	A01H7/00	3	5	7	10	6	8	18	14	12	14	12	18	23	24	109	174	210
Pteridophytes	A01H9/00	1	0	1	1	0	1	1	2	3	2	6	16	15	17	18	66	78
Bryophytes	A01H11/00	0	3	1	0	0	1	2	1	5	2	5	19	23	32	20	94	125
Algae	A01H13/00	6	9	4	6	8	4	6	9	11	6	6	6	12	19	75	112	176
Fungi; Lichens	A01H15/00	9	8	13	17	13	11	11	8	12	9	17	6	23	14	128	171	276
Symbiotic or parasitic combinations	A01H17/00	4	1	4	4	4	6	3	5	5	6	4	1	4	10	46	61	81
Medicinal preparations containing material or reaction products	A61K35/78	753	921	1,137	1,520	2,436	2,687	2,642	3,044	3,340	3,387	3,507	4,326	6,487	6,795	25,374	42,982	51,962

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
thereof with undetermined constitution, from plants																		
Medicinal Preparations containing peptides	A61K38/00	58	98	135	116	146	2,222	2,126	2,145	2,600	2,802	2,721	3,475	4,555	3,767	15,169	26,966	29,025
Medicinal preparations containing antigens or antibodies	A61K39/00	411	479	588	793	801	716	828	931	1,137	1,342	1,494	1,725	1,956	2,002	9,520	15,203	19,945
Treatments for genetic diseases, Gene therapy	A61K48/00	47	104	159	299	569	823	1,502	2,005	2,635	3,256	3,605	4,133	5,183	5,546	15,004	29,866	32,435
Biological treatment of water/sewage using microorganisms	C02F3/34	173	222	250	279	353	337	331	389	519	377	445	367	451	452	3,675	4,945	6,610
Organic Chemistry	C07	52,966	53,545	56,802	57,022	60,493	63,849	63,869	66,179	72,384	75,606	80,035	88,209	95,519	94,433	702,750	980,911	+/- 100,000
Acyclic or carbocyclic compounds	C07C	18,245	18,023	19,649	19,678	21,386	21,172	19,956	20,312	21,864	22,427	22,554	23,513	23,550	24,034	225,266	296,363	+/- 100,000
Heterocyclic compounds	C07D	24,745	25,013	23,937	26,163	27,393	28,640	27,631	28,219	29,550	30,141	32,512	34,682	38,836	38,397	303,944	415,859	+/- 100,000
Acyclic, carbocyclic, or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen,	C07F	4,139	4,178	4,485	4,707	4,900	5,255	5,322	5,134	5,200	5,245	5,535	5,177	5,955	6,278	54,100	71,510	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
nitrogen, sulfur, selenium, or tellurium																		
Compounds of unknown constitution	C07G	481	399	306	243	264	235	229	213	197	199	164	136	161	171	2,930	3,398	19,953
Antibiotics	C07G11/00	68	46	81	63	56	39	25	21	11	18	15	11	19	22	443	495	3,146
Vitamins	C07G13/00	4	2	3	2	5	1	1	4	1	1	0	2	2	4	24	32	108
Hormones	C07G15/00	4	8	7	5	4	4	1	2	1	4	2	2	1	0	42	45	331
Sugars, Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids	C07H	3,698	3,652	3,767	4,040	4,172	4,852	5,993	6,323	7,166	6,929	7,282	8,876	12,746	13,889	57,874	93,385	+/- 100,000
Steroids	C07J	680	719	839	893	982	1,096	967	950	1,017	995	1,055	915	1,239	1,186	10,193	13,533	29,863
Peptides	C07K	6,402	7,141	8,429	8,919	9,914	11,026	10,555	13,285	16,353	17,874	19,028	24,478	24,756	22,160	128,926	200,320	+/- 100,000
Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof (Viruses)	C07K14/00	56	91	115	144	96	1,012	880	888	1,291	1,375	1,624	2,874	3,274	1,533	7,572	15,253	15,756
Immunoglobulins, e.g. monoclonal or polyclonal antibodies	C07K16/00	22	30	45	40	57	356	493	621	804	982	1,047	2,309	2,674	1,056	4,497	10,536	11,402
Carrier-bound or immobilised peptides	C07K17/00	90	95	127	185	253	264	260	253	257	224	323	334	837	647	2,331	4,149	4,915
Hybrid peptides	C07K19/00	40	66	65	82	71	304	469	548	572	548	748	946	1,175	1,082	3,513	6,716	7,348
Peptides	C07K4/00	1	9	9	11	10	73	60	70	51	72	55	78	123	140	421	762	896
Organic Macromolecular	C08	35,068	36,410	38,504	39,845	40,452	39,092	41,926	42,578	42,539	47,359	46,798	49,996	54,329	52,461	450,571	607,357	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
Compounds; Their Preparation or Chemical Working-Up; Compositions based thereon.																		
Polysaccharides; Derivatives thereof	C08B	896	1,147	1,279	1,329	1,325	1,361	1,454	1,590	1,734	1,700	1,591	1,663	1,884	1,972	15,406	20,925	33,462
Treatment or chemical modification of rubbers	C08C	184	180	218	148	224	221	227	270	258	311	254	246	297	319	2,495	3,357	8,727
Macromolecular compounds obtained by reactions only involving carbon- to-carbon unsaturated bonds	C08F	8,671	9,495	9,792	10,360	11,297	10,631	11,111	11,851	12,048	13,057	12,976	13,975	14,888	14,269	121,289	164,421	+/- 100,000
Macromolecular compounds obtained otherwise than by reactions only involving carbon- to-carbon unsaturated bonds	C08G	10,520	10,126	10,780	10,828	11,583	11,157	11,129	11,237	11,372	11,658	12,401	12,592	13,338	13,736	122,791	162,457	+/- 100,000
Derivatives of natural macromolecular compounds	C08H	97	108	112	136	120	128	117	101	118	99	88	115	142	151	1,224	1,632	5,142
Use of inorganic or non- macromolecular organic substances as	C08K	6,287	6,653	7,501	7,971	8,459	8,811	9,008	9,220	9,472	10,782	10,829	11,982	13,830	12,690	94,993	133,495	+/- 100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
compounding ingredients																		
Compositions of macromolecular compounds	C08L	14,341	14,988	16,350	16,626	16,506	16,653	17,741	17,575	17,608	18,757	19,521	21,636	23,158	21,108	186,666	252,568	+/- 100,000
Apparatus for Enzymology or Microbiology	C12M	1,255	1,184	1,358	1,365	1,431	1,310	1,349	1,292	1,387	1,437	1,648	2,231	3,414	3,612	15,016	24,273	34,586
Microorganisms or Enzymes; Compositions thereof	C12N	10,092	10,560	11,938	12,892	14,582	15,602	16,747	18,427	22,787	25,838	28,748	35,002	39,210	36,738	188,213	299,163	+/- 100,000
Plant cells or tissues (see plants)	C12N5/04	139	156	164	160	160	179	223	207	323	510	518	510	545	871	2,739	4,665	5,165
Plant cells or tissues	C12N5/04	139	156	164	160	160	179	223	207	323	510	518	510	545	871	2,739	4,665	-
Animal cells or tissues	C12N5/06	207	184	216	255	265	341	423	518	615	697	875	1,332	3,235	5,878	4,596	15,041	16,403
Human cells or tissues	C12N5/08	63	170	171	247	293	317	358	443	501	522	594	789	1,033	1,291	3,679	6,792	7,497
Fermentation or Enzyme using processes to synthesise chemical compounds	C12P	6,119	6,225	6,702	7,616	7,892	7,170	7,200	7,542	7,858	8,045	8,374	8,830	13,148	16,156	80,743	118,877	+/- 100,000
Measuring or testing processes involving enzymes or microorganisms	C12Q	2,642	3,241	3,765	4,354	4,805	5,547	6,681	7,594	9,682	10,934	12,841	15,415	19,728	19,455	72,086	126,684	+/- 100,000
Processes using enzymes or microorganisms to liberate, separate or purify	C12S	77	154	266	224	334	345	297	277	276	220	163	135	191	206	2,633	3,165	3,312

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
pre-existing compound or composition																		
Immunoassay, Biospecific binding assay, materials thereof	G01N 33/53	1,254	1,260	1,277	1,428	1,809	1,696	2,097	2,414	2,846	3,314	3,258	4,453	5,978	6,942	22,653	40,026	48,519
Biochemical electrodes	G01N27/327	110	82	98	122	129	128	142	187	165	235	231	293	333	393	1,629	2,648	3,200
This is a detailed group involving organic carriers such as antibodies. Further testing is needed.	G01N33/54	8	2	0	3	0	0	0	2	0	1	1	2	2	1	17	22	4,060
This is a group referring to inorganic carriers. Further testing is needed.	G01N33/55	1	0	0	1	1	1	0	0	0	1	1	4	3	2	6	15	14
This is a detailed group and links to monoclonal antibodies. Further testing is needed.	G01N33/57	0	0	0	1	0	0	0	1	0	0	0	1	1	1	2	5	4
involving proteins, peptides or amino acids	G01N33/68	402	513	607	562	764	890	1,014	1,133	1,516	1,937	2,244	2,597	2,944	2,277	11,582	19,400	22,310
involving hormones	G01N33/74	75	126	129	113	141	149	152	127	141	118	126	126	181	164	1,397	1,868	2,503
Human chorionic gonadotropin	G01N33/76	42	42	44	49	58	53	40	45	42	34	31	20	38	29	480	567	779
Thyroid gland hormones	G01N33/78	34	38	33	31	45	35	23	22	23	19	12	18	19	9	315	361	504
involving	G01N33/88	4	4	4	5	6	7	3	4	6	2	4	4	6	13	49	72	91

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
prostaglandins																		
involving lipids																		
e.g. cholesterol	G01N33/92	67	70	63	73	75	78	104	79	90	96	120	110	163	185	915	1,373	1,915
Experimental word searches of English abstracts and IPC combinations - note the results are limited by the lack of whole text search capacity and will underestimate activity. They are for illustration only.																		
protein		1,937	2,401	2,752	2,808	3,204	3,524	3,707	5,018	6,461	7,257	8,411	11,205	13,606	12,460	47,480	84,751	+/- 100,000
gene		923	1,052	1,261	1,299	1,624	1,860	2,490	2,973	4,151	4,990	5,685	6,864	9,089	8,343	28,308	52,604	62,051
DNA		1,303	1,624	1,860	1,979	2,090	2,459	2,882	3,229	3,811	4,217	4,347	6,918	7,935	5,371	29,801	50,025	56,736
amino acid		1,708	1,822	1,963	1,956	1,968	2,156	2,439	2,565	2,982	3,065	3,403	3,856	4,814	4,837	26,027	39,534	79,223
nucleic acid		403	437	519	668	828	1,173	1,651	1,881	2,999	3,400	4,035	5,199	7,022	8,238	17,994	38,453	43,197
enzyme		1,229	1,238	1,376	1,355	1,521	1,593	1,720	1,925	2,392	2,408	2,563	2,706	3,493	3,586	19,320	29,105	42,104
Polypeptide		469	507	624	588	711	786	894	1,027	1,367	1,617	1,967	5,809	5,932	4,815	10,557	27,113	31,555
peptide		784	911	1,039	1,030	1,215	1,406	1,606	1,650	2,113	2,083	2,357	2,554	3,497	3,489	16,194	25,734	32,673
nucleotide		218	267	321	376	406	541	659	812	930	1,147	1,371	1,816	2,092	2,209	7,048	13,165	15,338
RNA		173	260	274	316	352	439	589	651	923	1,114	950	1,171	1,426	1,422	6,041	10,060	11,598
ribonucleic		4	11	8	8	16	27	19	18	26	26	34	39	50	45	197	331	533
deoxyribonucleic		20	21	19	32	29	23	27	24	26	25	24	32	28	6	270	336	479
microorganism		521	488	476	549	588	611	610	659	813	755	845	957	1,050	1,102	6,915	10,024	14,383
human gene		134	173	196	214	250	281	363	436	681	852	896	1,273	1,749	1,521	4,476	9,019	9,868
genome		94	107	162	163	168	165	223	282	358	410	544	725	1,269	1,046	2,676	5,716	6,337
plant gene		40	86	94	122	112	150	191	287	363	444	570	564	723	683	2,459	4,429	5,041
animal gene		17	29	27	23	40	53	91	86	132	205	203	238	394	430	906	1,968	2,311
microbe		39	35	76	55	85	89	74	75	106	110	131	121	220	255	875	1,471	1,851

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
proteome		0	0	0	0	0	0	0	0	1	2	4	10	30	60	7	107	152
"human stem cell"		0	1	2	2	2	4	2	9	3	6	1	7	7	9	32	55	59
human (and) stem (and) cell		3	4	4	17	13	22	22	33	36	42	45	84	91	167	241	583	695
"animal stem cell"		0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	1
animal (and) stem (and) cell		1	0	0	1	7	4	2	6	8	6	8	9	10	37	43	99	125
human embryo		2	2	0	3	3	5	1	2	6	7	6	6	3	16	37	62	96
human (and) embryo		5	5	5	7	5	9	5	6	12	12	20	38	121	42	91	292	384
meristem		1	2	1	0	1	4	6	13	6	7	12	10	9	18	53	90	112
"primate embryonic"		0	0	0	0	0	0	1	1	1	0	1	5	3	9	4	21	17
primate (and) embryonic		0	0	0	0	0	0	1	2	1	0	1	7	6	15	5	33	30
C12N human stem cell		2	2	4	12	11	19	18	27	31	28	38	73	73	139	192	477	564
C12N WO human stem cell		0	0	2	10	7	10	11	10	14	10	13	26	15	45	87	173	196
C12N WO "human stem cell"		0	0	2	1	2	0	0	1	1	0	0	1	1	2	7	11	12
C12N animal stem cell		1	0	0	1	7	4	1	5	6	6	5	9	5	27	36	77	97
C12N WO "animal stem cell"		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
C12N WO animal stem cell		0	0	0	1	4	1	1	4	2	3	2	3	5	9	18	35	41
C12N human embryo		4	2	1	5	1	2	4	1	6	7	11	29	105	32	44	210	239
C12N WO human embryo		0	1	0	2	0	0	2	0	2	1	3	19	14	5	11	49	50
C12N WO "human embryo"		0	0	0	0	0	0	1	0	1	0	1	2	1	2	3	8	8

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1990-2000	1990-2003	Whole Dbase
C12N embryo		25	21	19	35	19	24	22	25	36	57	74	103	218	136	357	814	960
C12N WO "embryo"		3	2	3	7	2	6	6	8	10	18	19	51	42	33	84	210	226
C12N meristem		0	1	1	0	1	1	5	10	5	5	11	9	5	13	40	67	71
C12N WO meristem		0	0	1	0	1	1	3	6	1	1	4	4	0	4	18	26	29
C12N DNA		1,028	1,177	1,394	1,386	1,534	1,812	2,090	2,264	2,729	2,847	2,816	4,807	5,441	2,984	21,077	34,309	39,509
C12N WO DNA		137	207	255	276	378	473	534	500	526	559	607	1,436	794	557	4,452	7,239	7,685
C12N Human gene		111	127	162	155	187	207	278	315	510	662	646	833	1,268	1,046	3,360	6,507	7,286
C12N WO Human gene		13	29	34	46	70	74	86	87	148	251	214	298	411	245	1,052	2,006	2,139

Table V. OECD Working Definition of Biotechnology Searches Conducted on the 24th of September 2004

Notes:

1. Data derived from esp@cenet. Location: <http://ep.espacenet.com/>.
2. All numbers from esp@cenet are approximate and refer to patent publication counts.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
4. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC). <http://www.wipo.int/classifications/ipc/en/>.
5. Indicator C07H added to improve data coverage.
6. Where full IPC classifiers are followed by /00 they are generally simply awarded as A01H1 rather than A01H1/00. Data capture can be enhanced by excluding /00 in relevant cases.

Source: A. Devlin. 2003. An Overview of Biotechnology Statistics in Selected Countries. STI Working Paper 2003/13. Statistical Analysis of Science, Technology and Industry. Directorate for Science, Technology and Industry. DSTI/DOC. 2003. 13. Organisation for Economic Co-operation and Development. Paris: OECD. Citation at 13 [http://www.oecd.org/olis/2003doc.nsf/linkto/dsti-doc\(2003\)13](http://www.oecd.org/olis/2003doc.nsf/linkto/dsti-doc(2003)13).

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total 1990- 2000	Total 1990- 2003	Whole Dbase
Plants, processes for modifying genotypes	A01H1/00	126	133	114	161	195	138	140	181	265	295	441	385	488	802	2,189	3,864	5,426
Tissue culture techniques	A01H4/00	175	246	239	235	269	210	274	236	359	443	425	320	226	226	3,111	3,883	3,966
Medicinal Preparations containing peptides	A61K38 /00	58	98	135	116	146	2,222	2,126	2,145	2,600	2,802	2,721	3,475	4,555	3,767	15,169	26,966	29,025
Medicinal preparations containing antigens or antibodies	A61K39 /00	411	479	588	793	801	716	828	931	1,137	1,342	1,494	1,725	1,956	2,002	9,520	15,203	19,945
Treatments for genetic diseases, Gene therapy	A61K48 /00	47	104	159	299	569	823	1,502	2,005	2,635	3,256	3,605	4,133	5,183	5,546	15,004	29,866	32,435

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total 1990- 2000	Total 1990- 2003	Whole Dbase
	<i>Chemistry</i>																	
Biological treatment of water/sewage using microorganisms	C02F3/34	173	222	250	279	353	337	331	389	519	377	445	367	451	452	3,675	4,945	6,610
Antibiotics	C07G11/00	68	46	81	63	56	39	25	21	11	18	15	11	19	22	443	495	3,146
Vitamins	C07G13/00	4	2	3	2	5	1	1	4	1	1	0	2	2	4	24	32	108
Hormones	C07G15/00	4	8	7	5	4	4	1	2	1	4	2	2	1	0	42	45	331
Peptides	C07K4/00	1	9	9	11	10	73	60	70	51	72	55	78	123	140	421	762	896
Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof (Viruses)	C07K14/00	56	91	115	144	96	1,012	880	888	1,291	1,375	1,624	2,874	3,274	1,533	7,572	15,253	15,756
Immunoglobulins, e.g. monoclonal or polyclonal antibodies	C07K16/00	22	30	45	40	57	356	493	621	804	982	1,047	2,309	2,674	1,056	4,497	10,536	11,402
Carrier-bound or immobilised peptides	C07K17/00	90	95	127	185	253	264	260	253	257	224	323	334	837	647	2,331	4,149	4,915
Hybrid peptides	C07K19/00	40	66	65	82	71	304	469	548	572	548	748	946	1,175	1,082	3,513	6,716	7,348
Apparatus for Enzymology or Microbiology	C12M	1,255	1,184	1,358	1,365	1,431	1,310	1,349	1,292	1,387	1,437	1,648	2,231	3,414	3,612	15,016	24,273	34,586
Microorganisms or Enzymes; Compositions thereof	C12N	10,092	10,560	11,938	12,892	14,582	15,602	16,747	18,427	22,787	25,838	28,748	35,002	39,210	36,738	188,213	299,163	+/-100,000

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total 1990- 2000	Total 1990- 2003	Whole Dbase
Fermentation or Enzyme using processes to synthesise chemical compounds	C12P	6,119	6,225	6,702	7,616	7,892	7,170	7,200	7,542	7,858	8,045	8,374	8,830	13,148	16,156	80,743	112,758	+/-100,000
Measuring or testing processes involving enzymes or microorganisms	C12Q	2,642	3,241	3,765	4,354	4,805	5,547	6,681	7,594	9,682	10,934	12,841	15,415	19,728	19,455	72,086	126,684	+/-100,000
Processes using enzymes or microorganisms to liberate, separate or purify pre-existing compound or composition	C12S	77	154	266	224	334	345	297	277	276	220	163	135	191	206	2,633	3,165	3,312
	<i>Physics</i>																	
Biochemical electrodes	G01N27/327	110	82	98	122	129	128	142	187	165	235	231	293	333	393	1,629	2,648	3,200
Immunoassay, Biospecific binding assay, materials thereof	G01N 33/53	1,254	1,260	1,277	1,428	1,809	1,696	2,097	2,414	2,846	3,314	3,258	4,453	5,978	6,942	22,653	40,026	48,519
This is a detailed group involving organic carriers such as antibodies. Further testing is needed.	G01N33/54	8	2	0	3	0	0	0	2	0	1	1	2	2	1	17	22	4,060
This is a group referring to inorganic carriers. Further testing is needed.	G01N33/55	1	0	0	1	1	1	0	0	0	1	1	4	3	2	6	15	14

Description	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Total 1990- 2000	Total 1990- 2003	Whole Dbase
This is a detailed group and links to monoclonal antibodies. Further testing is needed.	G01N33/ 57	0	0	0	1	0	0	0	1	0	0	0	1	1	1	2	5	4
involving proteins, peptides or amino acids	G01N33/ 68	402	513	607	562	764	890	1,014	1,133	1,516	1,937	2,244	2,597	2,944	2,277	11,582	19,400	22,310
involving hormones	G01N33/ 74	75	126	129	113	141	149	152	127	141	118	126	126	181	164	1,397	1,868	2,503
Human chorionic gonadotropin	G01N33/ 76	42	42	44	49	58	53	40	45	42	34	31	20	38	29	480	567	779
Thyroid gland hormones	G01N33/ 78	34	38	33	31	45	35	23	22	23	19	12	18	19	9	315	361	504
involving prostaglandins	G01N33/ 88	4	4	4	5	6	7	3	4	6	2	4	4	6	13	49	72	91
involving lipids e.g. cholesterol	G01N33/ 92	67	70	63	73	75	78	104	79	90	96	120	110	163	185	915	1,373	1,915
Sugars, Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids [5]	C07H	3,698	3,652	3,767	4,040	4,172	4,852	5,993	6,323	7,166	6,929	7,282	8,876	12,746	13,889	57,874	93,385	+/-100,000

Table VI. Indicators for Diseases (A61P)
Searches Conducted August 2005

Notes:

1. Data derived from esp@cenet <http://ep.espacenet.com/>.
2. All numbers from esp@cenet are approximate and refer to patent publication counts.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 (e.g. A61) reflect this limitation. These numbers should not be totalled.
4. Classification titles may be abbreviated. For further detail consult the International Patent Classification (IPC). <http://www.wipo.int/classifications/ipc/en/>.
5. Indicator under A61P were introduced in the year 2000 and their international use by patent offices worldwide may vary.
6. Patent examiners will generally award a classifier as A61P1 rather than the full A61P1/00. Exclude the /00 for more accurate returns in relevant cases.

Diseases/Disorders	IPC	espacenet coverage whole database
Drugs for disorders of the alimentary tract or the digestive system	A61P1/00	20,178
.Stomatological preparations, e.g. drugs for caries, aphtae, periodontitis	A61P1/02	2,382
.for ulcers, gastritis or reflux esophagitis, e.g. antacids, inhibitors of acid secretion, mucosal protectants	A61P1/04	6,309
.Anti-spasmodics, e.g. drugs for colics, esophagic dyskinesia	A61P1/06	283
.for nausea, cinetosis or vertigo; Antiemetics	A61P1/08	977
.Laxatives	A61P1/10	646
.Antidiarrhoeals	A61P1/12	965
.Prodigestives, e.g. acids, enzymes, appetite stimulants, antidyspeptics, tonics, antiflatulents	A61P1/14	2,069
.for liver or gallbladder disorders, e.g. hepatoprotective agents, cholagogues, litholytics	A61P1/16	4,978
.for pancreatic disorders, e.g. pancreatic enzymes	A61P1/18	1,079
Drugs for disorders of the metabolism (of the blood or the extracellular fluid 7/00)	A61P3/00	23,249
.Nutrients, e.g. vitamins, minerals	A61P3/02	1,738
.Anorexiant; Antiobesity agents	A61P3/04	5,887
.Antihyperlipidemics	A61P3/06	5,890
.for glucose homeostasis (pancreatic hormones 5/48)	A61P3/08	563
.. for hyperglycaemia, e.g. antidiabetics	A61P3/10	12,358
.for electrolyte homeostasis	A61P3/12	232
.. for calcium homeostasis	A61P3/14	612
Drugs for disorders of the endocrine system	A61P5/00	6,988
.of the hypothalamic hormones, e.g. TRH, GnRH, CRH, GRH, somatostatin	A61P5/02	285
.. for decreasing, blocking or antagonising the activity of the hypothalamic hormones	A61P5/04	106
.of the anterior pituitary hormones, e.g. TSH, ACTH, FSH, LH, PRL, GH	A61P5/06	351
.. for decreasing, blocking or antagonising the activity of the anteriorpituitary hormones	A61P5/08	67
.of the posterior pituitary hormones, e.g. oxytocin, ADH	A61P5/10	158
.. for decreasing, blocking or antagonising the activity of the posteriorpituitary hormones	A61P5/12	31
.of the thyroid hormones, e.g. T3, T4	A61P5/14	613
.. for decreasing, blocking or antagonising the activity of the thyroid hormones	A61P5/16	147
.of the parathyroid hormones	A61P5/18	172
.. for decreasing, blocking or antagonising the activity of PTH	A61P5/20	35
.. for decreasing, blocking or antagonising the activity of calcitonin	A61P5/22	18
.of the sex hormones	A61P5/24	615
.. Androgens	A61P5/26	239
.. Antiandrogens	A61P5/28	206
.. Oestrogens	A61P5/30	552

Diseases/Disorders	IPC	espacenet coverage whole database
.. Antioestrogens	A61P5/32	238
.. Gestagens	A61P5/34	57
.. Antigestagens	A61P5/36	50
.of the suprarenal hormones	A61P5/38	162
.. Mineralocorticosteroids, e.g. aldosterone; Drugs	A61P5/40	60
.. for decreasing, blocking or antagonising the activity of mineralocorticosteroids	A61P5/42	40
.. Glucocorticosteroids; Drugs increasing or potentiating the activity of glucocorticosteroids	A61P5/44	91
.. for decreasing, blocking or antagonising the activity of glucocorticosteroids	A61P5/46	48
.of the pancreatic hormones	A61P5/48	571
.. for increasing or potentiating the activity of insulin	A61P5/50	561
Drugs for disorders of the blood or the extracellular fluid	A61P7/00	11,600
.Antithrombotic agents; Anticoagulants; Platelet aggregation inhibitors	A61P7/02	5,411
.Antihæmorrhagics; Procoagulants; Haemostatic agents; Antifibrinolytic agents	A61P7/04	1,561
.Antianæmics	A61P7/06	1,493
.Plasma substitutes; Perfusion solutions; Dialytics or haemodialytics; Drugs for electrolytic or acid-base disorders, e.g. hypovolemic shock (artificial tears 81	A61P7/08	391
.Antioedematous agents; Diuretics	A61P7/10	547
.Antidiuretics, e.g. drugs for diabetes insipidus (ADH5/10)	A61P7/12	165
Drugs for disorders of the cardiovascular system	A61P9/00	12,515
.Non-specific cardiovascular stimulants, e.g. drugs for syncope, antihypotensives	A61P9/02	792
.Inotropic agents, i.e. stimulants of cardiac contraction; Drugs for heart failure	A61P9/04	2,162
.Antiarrhythmics	A61P9/06	1,600
.Vasodilators for multiple indications	A61P9/08	1,116
.for treating ischaemic or atherosclerotic diseases, e.g. antianginal drugs, coronary vasodilators, drugs for myocardial infarction, retinopathy, arteriosclerosis	A61P9/10	30,145
.Antihypertensives	A61P9/12	5,368
.Vasoprotectives; Antihæmorrhoidals; Drugs for varicose therapy; Capillary stabilisers	A61P9/14	1,048
Drugs for disorders of the respiratory system	A61P11/00	15,174
. Nasal agents, e.g. decongestants	A61P11/02	1,481
. for throat disorders	A61P11/04	568
. Antiasthmatics	A61P11/06	7,321
. Bronchodilators	A61P11/08	927
. Expectorants	A61P11/10	340
. Mucolytics	A61P11/12	96
. Antitussive agents	A61P11/14	770
. Central respiratory analeptics	A61P11/16	147
Drugs for disorders of the urinary system (diuretics 7/10)	A61P13/00	9,300
. of urine or of the urinary tract, e.g. urine acidifiers	A61P13/02	1,065
. for urolithiasis	A61P13/04	188
. Anti-spasmodics	A61P13/06	32
. of the prostate	A61P13/08	1,662
. of the bladder	A61P13/10	940
. of the kidneys	A61P13/12	4,859
Drugs for genital or sexual disorders (for disorders of sex hormones 5/24); Contraceptives	A61P15/00	9,745
. for disorders of the vagina	A61P15/02	528
. for inducing labour or abortion; Uterotonics	A61P15/04	96
. Antiabortive agents; Labour repressants	A61P15/06	508
. for gonadal disorders or for enhancing fertility, e.g. inducers of ovulation or of spermatogenesis	A61P15/08	1,528

Diseases/Disorders	IPC	espacenet coverage whole database
. for impotence	A61P15/10	1,838
. for climacteric disorders	A61P15/12	716
. for lactation disorders, e.g. galactorrhoea	A61P15/14	228
. Masculine contraceptives	A61P15/16	251
. Feminine contraceptives	A61P15/18	788
Drugs for dermatological disorders	A61P17/00	20,973
. for treating wounds, ulcers, burns, scars, keloids, or the like	A61P17/02	4,927
. Antipruritics	A61P17/04	1,210
. Antipsoriatics	A61P17/06	4,712
. Antiseborrheics	A61P17/08	305
. Anti-acne agents	A61P17/10	1,136
. Keratolytics, e.g. wart or anti-corn preparations	A61P17/12	331
. for baldness or alopecia	A61P17/14	1,775
. Emollients or protectives, e.g. against radiation	A61P17/16	2,471
Drugs for skeletal disorders	A61P19/00	15,920
. for joint disorders, e.g. arthritis, arthrosis	A61P19/02	8,063
. for non-specific disorders of the connective tissue	A61P19/04	522
. Antigout agents, e.g. antihyperuricemic or uricosuric agents	A61P19/06	598
. for bone diseases, e.g. rachitism, Paget's disease	A61P19/08	2,959
. . for osteoporosis	A61P19/10	4,648
Drugs for disorders of the muscular or neuromuscular system	A61P21/00	3,499
. Muscle relaxants, e.g. for tetanus or cramps	A61P21/02	519
. for myasthenia gravis	A61P21/04	994
. Anabolic agents (androgens 5/26)	A61P21/06	46
Anaesthetics	A61P23/00	975
. Local anaesthetics	A61P23/02	330
Drugs for disorders of the nervous system	A61P25/00	37,643
. for peripheral neuropathies	A61P25/02	1,831
. Centrally acting analgesics, e.g. opioids	A61P25/04	3,841
. Antimigraine agents	A61P25/06	2,238
. Antiepileptics; Anticonvulsants	A61P25/08	2,532
. . for petit-mal	A61P25/10	44
. . for grand-mal	A61P25/12	30
. for treating abnormal movements, e.g. chorea, dyskinesia	A61P25/14	2,100
. . Anti-Parkinson drugs	A61P25/16	4,548
. Antipsychotics, i.e. neuroleptics; Drugs for mania or schizophrenia	A61P25/18	4,151
. Hypnotics; Sedatives	A61P25/20	1,844
. Anxiolytics	A61P25/22	3,065
. Antidepressants	A61P25/24	5,059
. Psychostimulants, e.g. nicotine, cocaine	A61P25/26	153
. for treating neurodegenerative disorders of the central nervous system, e.g. nootropic agents,	A61P25/28	12,141
. for treating abuse or dependence	A61P25/30	1,278
. . Alcohol-abuse	A61P25/32	912
. . Tobacco-abuse	A61P25/34	564
. . Opioid-abuse	A61P25/36	689
Drugs for disorders of the senses	A61P27/00	9,213
. Ophthalmic agents	A61P27/02	5,465
. . Artificial tears; Irrigation solutions	A61P27/04	256
. . Antiglaucoma agents or miotics	A61P27/06	1,857

Diseases/Disorders	IPC	espacenet coverage whole database
. . Mydriatics or cycloplegics	A61P27/08	18
. . for accommodation disorders, e.g. myopia	A61P27/10	127
. . for cataracts	A61P27/12	531
. . Decongestants or antiallergics	A61P27/14	549
. Otologicals	A61P27/16	1,290
Non-central analgesic, antipyretic or anti-inflammatory agents	A61P29/00	22,042
Anti-infectives, i.e. antibiotics, antiseptics, chemotherapeutics	A61P31/00	31,939
. Local antiseptics	A61P31/02	465
. Antibacterial agents	A61P31/04	11,537
. . for tuberculosis	A61P31/06	705
. . for leprosy	A61P31/08	109
. Antimycotics	A61P31/10	2,960
. Antivirals	A61P31/12	7,788
. . for RNA viruses	A61P31/14	1,669
. . . for influenza or rhinoviruses	A61P31/16	852
. . . for HIV	A61P31/18	5,269
. . for DNA viruses	A61P31/20	822
. . . for herpes viruses	A61P31/22	1,394
Antiparasitic agents	A61P33/00	3,905
. Antiprotozoals, e.g. for leishmaniasis, trichomoniasis, toxoplasmosis	A61P33/02	963
. . Amoebicides	A61P33/04	47
. . Antimalarials	A61P33/06	815
. . for Pneumocystis carinii	A61P33/08	44
. Anthelmintics	A61P33/10	380
. . Schistosomicides	A61P33/12	83
. Ectoparasitocides, e.g. scabicides	A61P33/14	315
Antineoplastic agents	A61P35/00	40,859
. specific for leukemia	A61P35/02	2,289
. specific for metastasis	A61P35/04	2,068
Drugs for immunological or allergic disorders	A61P37/00	21,448
. Immunomodulators	A61P37/02	4,726
. . Immunostimulants	A61P37/04	3,014
. . Immunosuppressants, e.g. drugs for graft rejection	A61P37/06	4,991
. Antiallergic agents (antiasthmatic agents 11/06; ophthalmic antiallergics 27/14)	A61P37/08	5,850
General protective or antinoxious agents	A61P39/00	2,871
. Antidotes	A61P39/02	635
. Chelating agents	A61P39/04	75
. Free radical scavengers or antioxidants	A61P39/06	1,432
Drugs used in surgical methods, e.g. surgery adjuvants for preventing adhesion or for vitreum substitution	A61P41/00	708
Drugs for specific purposes, not provided for in groups 1/00 to 41/00	A61P43/00	27,938

2. Data comparison graphs and tables

Table VII. Comparison Tables for Main Indicators

Notes:

1. For the purpose of examining database stability and changes in the data over time simple comparison tables were developed. Graphs for a number of main indicators follow the tables.
2. The comparisons reveal a combination of factors that may affect the data: a) historic data may be added as database coverage expands; b) the data is most prone to change in the years closest to the present; c) data instability may reflect degradation of database performance (i.e. the use of software robots by other users in 2005); d) the behaviour of searchers i.e. use of the full A61K39/00 rather than A61K39 as awarded by examiners, affected some of the results; e) the reclassification of historic and recent documents in some jurisdictions leads to increasing results i.e. the introduction of IPC8 in January 2006; f) general expansion in the number of classifiers awarded to patent documents under IPC8 increases results.
3. The esp@cenet algorithm cannot produce results beyond 100,000. Individual results on or close to 100,000 reflect this limitation. These numbers should not be totalled.

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A01H	886	932	947	1,012	1,198	1,176	1,113	1,502	1,852	2,706	3,865	3,912	4,852	4,684	4,373	2,217
2006	A01H	980	934	1,008	1,054	1,249	1,193	1,158	1,544	1,856	2,640	3,071	2,982	4,100	3,985	4,544	3,764
2006 June	A01H	1,217	1,399	1,511	1,632	1,821	1,739	1,975	2,191	2,796	3,376	4,032	4,017	5,028	4,890	4,747	4,138

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	A01H5	450	573	707	915	1,098	1,040	1,213	1,447	2,018	2,371	3,005	2,842	3,864	3,391		
2005	A01H5	445	586	506	767	803	763	835	1,125	1,249	2,074	3,215	3,267	4,134	3,436	3,090	1,567
2006	A01H5	501	585	524	771	837	789	858	1,120	1,239	2,130	2,356	2,345	3,113	2,717	3,336	2,640
2006 June	A01H5	603	822	884	1,118	1,290	1,254	1,459	1,680	2,273	2,721	3,351	3,334	4,223	3,699	3,499	2,890

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A01K61	431	363	395	336	276	303	289	313	285	319	491	453	621	745	684	387
2006	A01K61	449	395	381	328	313	320	302	320	310	336	530	496	673	756	675	672
2006 June	A01K61	595	463	502	431	433	455	441	400	417	454	610	571	701	822	784	780

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A01N	7,143	7,269	7,833	8,910	8,569	8,150	8,523	9,649	10,785	11,625	11,512	11,759	12,518	12,915	10,963	4,995
2006	A01N	8,757	8,691	8,468	9,366	9,557	8,344	7,955	10,268	12,303	12,163	12,606	13,478	13,302	13,899	13,206	9,749
2006 June	A01N	9,958	9,894	10,077	10,649	11,118	10,424	10,463	11,414	12,323	12,952	12,884	13,500	14,285	14,978	13,784	11,691

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A01N63	310	334	351	434	490	479	491	699	595	733	921	1,017	1,154	1,305	1,220	449
2006	A01N63	359	383	381	437	573	559	549	833	679	765	771	956	1,264	1,122	1,381	926
2006 June	A01N63	561	662	710	787	968	883	927	1,084	1,112	1,216	1,226	1,321	1,559	1,616	1,536	1,231

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2006	A23L	5,511	6,974	7,397	7,296	7,613	8,018	7,452	8,507	9,021	10,504	11,489	13,586	15,079	16,174	16,176	14,307
2006 June	A23L	6,879	7,417	7,867	8,266	9,277	9,312	8,650	8,853	9,801	10,505	12,216	13,860	15,121	16,898	16,547	16,980

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2006	A23N	652	661	710	659	523	563	553	392	470	592	757	723	583	638	642	558
2006 June	A23N	736	746	784	685	661	678	735	518	541	715	805	800	706	751	706	690

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2006 [3]	A61	72,638	75,265	83,990	75,505	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
2006 June [3]	A61	75,706	-	89,392	96,847	99,986	99,988	99,996	99,996	99,993	100,000	99,993	99,996	100,000	100,000	100,000	100,000

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2006 [3]	A61K	35,968	39,069	43,428	39,814	43,599	46,505	52,151	62,151	68,516	77,650	83,147	100,000	100,000	100,000	100,000	100,000
2006 June [3]	A61K	39,116	41,587	47,223	52,407	57,400	59,608	63,553	67,570	76,117	82,658	90,463	99,995	100,000	99,999	99,999	10,000

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2006	A61K9/51	20	35	36	80	60	74	125	101	117	148	155	177	311	318	539	406
2006 June	A61K9/51	20	46	79	131	136	129	226	180	202	262	285	393	483	643	641	457

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A61K31	18,630	18,382	20,700	20,218	22,153	24,406	26,916	30,477	32,675	35,702	38,874	44,484	53,035	57,540	56,365	27,292
2006	A61K31	19,622	20,573	22,246	19,665	21,759	21,695	26,217	29,997	32,981	35,516	42,168	46,509	55,889	43,460	67,953	53,714
2006 June	A61K31	20,876	21,428	24,175	26,564	28,621	30,109	31,156	32,593	35,095	38,611	43,042	48,471	58,633	64,235	70,777	63,574

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	A61K35	1,671	1,747	2,191	2,697	4,278	4,278	4,657	5,249	5,754	5,780	6,117	7,694	10,322	10,751	10,267	6,230
2006	A61K35	1,902	1,931	2,589	2,843	4,367	4,463	3,606	5,584	6,352	6,346	6,682	8,950	11,961	12,614	12,102	13,300
2006 June	A61K35	2,064	2,291	2,751	3,635	4,743	5,061	5,278	5,930	6,481	6,751	7,263	8,957	12,038	13,196	12,900	14,933

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	A61K35/78	753	921	1,137	1,520	2,436	2,687	2,642	3,044	3,340	3,387	3,507	4,326	6,487	6,795		
2005	A61K35/78	680	668	1,117	1,266	1,996	2,251	2,155	2,999	3,278	2,992	3,615	4,599	6,267	6,836	6,625	4,421
2006	A61K35/78	680	668	1,117	1,266	1,996	2,251	2,155	3,000	3,277	2,715	3,324	4,603	6,279	6,917	6,120	8,670
2006 June	A61K35/78	767	890	1,139	1,613	2,426	2,672	2,677	3,117	3,343	3,470	3,689	4,606	6,552	7,218	6,881	9,478

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	A61K38	58	98	135	116	146	2,222	2,126	2,145	2,600	2,802	2,721	3,475	4,555	3,767		
2005	A61K38	845	1,044	1,177	1,195	1,371	6,317	7,769	9,082	10,710	11,793	12,585	14,444	16,747	16,948	15,253	7,379
2006	A61K38	4,874	5,626	7,173	6,190	7,817	8,877	11,699	14,399	17,319	18,585	18,645	25,082	27,565	28,252	25,296	18,509
2006 June	A61K38	5,535	6,541	7,627	8,365	9,768	11,984	13,922	15,318	18,427	19,785	20,270	25,106	28,478	28,499	26,180	21,022

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	A61K39	411	479	588	793	801	716	828	931	1,137	1,342	1,494	1,725	1,956	2,002		
2005	A61K39	2,368	2,897	3,311	3,113	3,760	4,266	4,581	5,081	5,927	6,918	7,126	8,506	10,486	10,869	10,061	5,109
2006	A61K39	2,817	3,167	3,433	3,261	3,938	4,252	4,701	5,788	6,766	8,512	8,698	9,778	12,392	12,357	11,695	10,405
2006 June	A61K39	3,126	3,438	4,077	4,520	5,040	5,055	5,456	6,028	7,197	8,513	9,061	10,418	13,095	13,555	13,544	12,144

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	A61K48	47	104	159	299	569	823	1,502	2,005	2,635	3,256	3,605	4,133	5,183	5,546		
2005	A61K48	41	82	132	183	426	622	1,290	1,651	2,216	3,022	3,598	4,384	5,528	6,220	5,166	2,687
2006	A61K48	60	115	171	252	524	912	1,494	2,310	3,493	4,406	5,139	6,835	8,155	8,512	6,312	5,735
2006 June	A61K48	71	158	257	459	777	1,190	2,064	2,812	3,965	4,786	5,464	6,837	8,249	8,738	7,552	6,313

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07	52,966	53,545	56,802	57,022	60,493	63,849	63,869	66,179	72,384	75,606	80,035	88,209	95,519	94,433		
2005 [3]	C07	48,451	49,858	50,178	47,446	41,540	55,743	51,613	65,279	71,759	70,780	78,221	89,130	97,494	100,000		
2006 [3]	C07	54,104	56,227	58,521	55,068	43,199	56,155	57,153	62,226	66,744	71,734	81,473	100,000	100,000	100,000	100,000	85,374
2006 June [3]	C07	57,606	58,638	63,644	67,199	69,734	70,258	71,404	74,136	81,474	85,485	90,627	99,993	100,000	100,000	100,000	98,798

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07C	18,245	18,023	19,649	19,678	21,386	21,172	19,956	20,312	21,864	22,427	22,554	23,513	23,550	24,034		
2005	C07C	17,825	17,946	18,629	17,675	19,599	16,582	14,914	20,041	21,191	22,291	22,890	23,661	24,848	25,351	24,009	10,625
2006	C07C	19,211	20,605	20,174	18,896	19,493	18,597	17,271	20,359	23,101	24,744	24,943	27,524	29,918	26,798	28,104	21,270
2006 June	C07C	20,900	21,039	22,428	23,625	24,381	23,852	23,317	23,688	25,139	25,815	26,588	27,587	30,079	29,935	30,152	24,822

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07D	24,745	25,013	23,937	26,163	27,393	28,640	27,631	28,219	29,550	30,141	32,512	34,682	38,836	38,397		
2005	C07D	22,516	23,582	22,318	21,769	20,892	22,513	22,743	27,703	29,215	28,636	32,214	34,650	37,701	41,267	41,014	18,267
2006	C07D	23,766	26,667	24,932	24,822	22,560	25,876	25,071	26,324	27,103	27,633	34,263	37,630	42,432	34,411	49,652	36,593
2006 June	C07D	27,074	26,747	28,371	29,623	30,559	30,161	29,880	30,667	32,347	33,819	35,789	38,507	44,524	46,881	51,564	43,723

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07F	4,139	4,178	4,485	4,707	4,900	5,255	5,322	5,134	5,200	5,245	5,535	5,177	5,955	6,278		
2005	C07F	3,516	3,450	4,284	4,060	4,499	4,543	4,674	4,992	4,862	5,147	5,449	5,395	6,061	6,217	5,842	2,717
2006	C07F	4,583	5,052	5,356	5,146	6,003	5,582	5,919	5,995	6,534	6,461	7,014	7,028	7,102	7,586	7,701	5,984
2006 June	C07F	5450	5488	6081	6424	6818	6967	7027	6963	7099	7026	7306	7482	8316	8848	8201	6720

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07G	481.0	399.0	306.0	243.0	264.0	235.0	229.0	213.0	197.0	199.0	164.0	136.0	161.0	171.0		
2005	C07G	357.0	285.0	274.0	232.0	199.0	208.0	157.0	160.0	141.0	121.0	127.0	142.0	177.0	163.0	145.0	90.0
2006	C07G	373.0	304.0	288.0	251.0	231.0	250.0	182.0	150.0	159.0	146.0	121.0	177.0	204.0	199.0	146.0	148.0
2006 June	C07G	583.0	457.0	368.0	387.0	324.0	295.0	259.0	246.0	248.0	240.0	228.0	207.0	238.0	230.0	207.0	177.0

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07H	3,698	3,652	3,767	4,040	4,172	4,852	5,993	6,323	7,166	6,929	7,282	8,876	12,746	13,889		
2005	C07H	3,092	3,183	3,488	3,245	3,494	4,356	5,238	6,402	6,424	6,971	7,390	9,218	13,466	15,376	11,006	5,388
2006	C07H	3,970	3,806	4,158	4,060	3,974	5,033	5,581	6,788	7,043	7,407	7,745	10,140	14,306	15,800	11,825	9,938
2006 June	C07H	4,610	4,418	4,716	5,067	5,086	5,588	6,796	7,372	8,000	8,054	8,235	10,563	15,132	17,380	13,501	11,107

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005																	
2006	C07H19	656	709	1,074	800	824	1,086	977	1,097	557	682	821	923	2,112	1,209	1,493	1,022
2006 June	C07H19	1,193	1,091	1,301	1,359	1,355	1,316	1,309	1,362	1,240	1,203	1,226	1,423	1,609	1,778	1,694	1,195

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C07K	6,402	7,141	8,429	8,919	9,914	11,026	10,555	13,285	16,353	17,874	19,028	24,478	24,756	22,160		
2005	C07K	6,373	6,609	7,659	7,677	8,078	9,263	10,674	13,242	16,381	18,131	18,565	28,371	27,085	25,169	20,909	10,253
2006	C07K	9,414	10,300	11,741	10,992	13,420	12,593	14,919	18,846	21,831	24,925	24,887	24,542	37,516	36,832	31,700	23,643
2006 June	C07K	9,809	10,954	12,754	13,737	15,249	16,138	17,748	19,234	23,230	25,440	27,056	34,111	38,834	37,856	33,355	26,671

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08	35,068	36,410	38,504	39,845	40,452	39,092	41,926	42,578	42,539	47,359	46,798	49,996	54,329	52,461		
2005	C08	33,594	34,065	34,830	33,867	38,177	36,593	40,211	42,330	42,405	47,341	46,854	49,257	54,728	53,390	52,610	25,643
2006	C08	36,366	38,319	38,228	35,749	41,827	37,401	44,134	47,142	47,461	52,941	51,447	56,416	61,820	60,940	58,117	49,420
2006 June	C08	39,683	40,925	43,581	46,020	47,716	45,791	47,083	47,343	49,674	53,196	53,862	56,777	62,498	61,490	61,993	54,343

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08B	896	1,147	1,279	1,329	1,325	1,361	1,454	1,590	1,734	1,700	1,591	1,663	1,884	1,972		
2005	C08B	709	858	916	1,084	848	1,080	1,002	1,324	1,127	1,086	1,466	1,722	1,840	1,784	1,740	906
2006	C08B	992	1,021	1,056	1,306	1,148	1,286	1,212	1,726	1,242	1,293	1,433	1,832	2,009	1,581	2,233	2,008
2006 June	C08B	1,328	1,367	1,537	1,708	1,673	1,726	1,869	1,958	2,050	2,069	1,977	2,181	2,459	2,641	2,440	2,349

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08C	184	180	218	148	224	221	227	270	258	311	254	246	297	319		
2005	C08C	159	162	201	176	180	186	184	251	192	211	204	217	307	308	297	137
2006	C08C	187	195	170	201	253	220	244	333	252	319	265	270	403	418	429	326
2006 June	C08C	303	316	359	350	367	338	400	427	389	468	398	446	505	562	530	392

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08F	8,671	9,495	9,792	10,360	11,297	10,631	11,111	11,851	12,048	13,057	12,976	13,975	14,888	14,269		
2005	C08F	8,592	7,988	9,505	10,124	10,730	9,357	10,492	11,518	11,515	13,059	12,747	13,833	14,597	14,670	13,781	6,371
2006	C08F	9,943	9,535	11,165	10,518	12,262	9,728	11,542	12,056	12,708	14,970	14,896	15,086	18,140	15,217	16,414	13,102
2006 June	C08F	10,616	11,359	11,871	12,780	13,341	12,438	13,412	13,787	14,524	15,420	15,620	16,960	18,867	17,958	17,646	14,735

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08G	10,520	10,126	10,780	10,828	11,583	11,157	11,129	11,237	11,372	11,658	12,401	12,592	13,338	13,736		
2005	C08G	8,097	9,324	9,651	10,347	10,313	10,321	10,293	9,677	10,721	11,958	12,242	12,472	13,928	14,321	13,900	6,905
2006	C08G	10,422	11,897	12,735	12,591	12,763	12,275	12,290	11,955	12,833	14,736	14,260	15,686	16,970	17,837	17,388	14,456
2006 June	C08G	13,368	12,937	13,856	14,317	14,736	13,948	13,962	13,901	14,277	15,056	15,516	16,019	17,779	18,254	18,492	15,939

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08H	97	108	112	136	120	128	117	101	118	99	88	115	142	151		
2005	C08H	84	87	106	111	83	76	87	79	98	84	82	104	138	123	145	79
2006	C08H	90	98	114	150	130	140	123	79	121	136	121	142	190	128	253	181
2006 June	C08H	156	144	157	195	176	207	185	145	209	177	155	186	257	278	307	222

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08K	6,287	6,653	7,501	7,971	8,459	8,811	9,008	9,220	9,472	10,782	10,829	11,982	13,830	12,690		
2005	C08K	5,476	6,566	6,764	7,006	7,835	8,289	8,220	8,917	8,954	10,600	10,669	12,172	14,124	12,214	12,737	6,467
2006	C08K	7,455	8,216	8,049	7,777	9,748	9,467	9,936	10,009	10,644	12,201	12,012	14,300	15,997	14,553	14,586	12,959
2006 June	C08K	8,466	8,928	9,807	10,224	10,594	10,755	10,794	10,876	11,326	12,710	12,782	14,304	16,388	15,534	15,768	14,271

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C08L	14,341	14,988	16,350	16,626	16,506	16,653	17,741	17,575	17,608	18,757	19,521	21,636	23,158	21,108		
2005	C08L	13,387	13,877	15,309	16,359	17,263	14,181	16,563	17,833	18,177	19,727	20,057	21,948	23,373	21,875	21,463	10,387
2006	C08L	14,063	16,133	16,179	15,524	18,514	15,061	18,187	19,223	21,043	21,987	22,577	25,940	27,776	23,141	26,137	21,561
2006 June	C08L	16,379	17,192	18,838	19,458	2,016	19,839	20,684	20,466	21,093	22,953	23,581	25,979	28,496	27,023	27,148	23,335

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12M	1,255	1,184	1,358	1,365	1,431	1,310	1,349	1,292	1,387	1,437	1,648	2,231	3,414	3,612		
2005	C12M	959	944	1,173	850	1,118	916	883	948	920	1,134	1,716	2,276	3,456	3,682	3,367	2,173
2006	C12M	1,125	1,052	1,411	1,090	1,361	1,172	1,130	1,099	1,034	1,303	1,677	2,508	3,771	3,294	4,219	4,117
2006 June	C12M	1,507	1,409	1,633	1,635	1,736	1,615	1,645	1,557	1,650	1,752	2,083	2,722	3,955	4,490	4,383	4,393

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12N	10,092	10,560	11,938	12,892	14,582	15,602	16,747	18,427	22,787	25,838	28,748	35,002	39,210	36,738		
2005	C12N	9,467	10,438	11,426	12,404	13,063	13,530	14,205	17,577	22,308	25,016	27,379	31,760	41,113	40,142	33,474	16,917
2006	C12N	9,960	11,568	12,828	11,936	13,637	14,140	16,149	19,861	22,707	28,043	29,528	28,660	45,724	45,141	38,812	31,900
2006 June	C12N	10,996	12,037	13,355	14,508	16,175	17,144	19,141	20,650	25,750	29,217	32,690	40,651	47,528	47,562	42,848	36,593

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	C12N5	2,223	2,121	2,187	2,690	3,345	3,476	4,230	4,509	5,908	7,432	8,188	10,032	13,084	15,211	10,007	4,954
2006	C12N5	2,303	2,386	2,512	2,930	3,284	3,486	3,826	4,903	5,772	7,883	9,086	10,767	13,880	16,426	10,564	8,870
2006 June	C12N5	2,583	2,809	2,943	3,346	3,923	4,087	4,796	5,335	6,737	8,043	9,283	11,019	14,505	17,469	12,356	10,291

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12N5/04	139	156	164	160	160	179	223	207	323	510	518	510	545	871		
2005	C12N5/04	142	143	140	121	109	128	170	159	193	348	358	368	535	804	772	418
2006	C12N5/04	122	157	135	152	118	132	196	177	194	346	364	352	569	797	753	703
2006 June	C12N5/04	196	205	183	198	178	214	252	245	364	523	551	591	677	975	892	758

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12N5/06	207	184	216	255	265	341	423	518	615	697	875	1,332	3,235	5,878		
2005	C12N5/06	176	150	191	191	180	220	283	421	379	426	777	1,348	3,337	5,676	2,355	1,024
2006	C12N5/06	249	184	240	279	326	447	527	843	886	892	1,292	1,883	4,201	6,742	3,523	2,866
2006 June	C12N5/06	342	375	406	480	582	705	920	1,071	1,288	1,420	1,730	2,398	4,707	8,242	4,105	3,194

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12N5/08	63	170	171	247	293	317	358	443	501	522	594	789	1,033	1,291		
2005	C12N5/08	60	107	145	196	195	205	231	295	262	302	492	747	1,130	1,401	1,139	788
2006	C12N5/08	59	112	146	192	202	210	230	302	256	299	450	649	1,101	1,094	1,176	1,327
2006 June	C12N5/08	128	220	233	291	375	412	477	588	674	715	871	1,261	1,759	2,265	1,957	1,969

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	C12N15	5,216	5,849	6,296	7,194	8,760	9,466	10,785	11,996	15,952	18,879	20,254	24,080	28,664	23,825	21,126	10,862
2006	C12N15	5,485	6,350	6,678	6,853	8,154	9,125	10,767	13,652	17,410	20,404	21,796	21,701	31,761	28,535	25,308	20,990
2006 June	C12N15	6,160	6,916	7,938	8,743	10,100	11,023	12,743	14,230	18,491	21,658	24,554	31,293	34,654	30,883	28,706	24,345

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	C12N15/09	395	379	353	440	512	1,228	1,575	1,393	1,479	2,085	3,006	3,548	5,344	5,138	6,121	3,201
2006	C12N15/09	396	340	345	418	520	1,249	1,558	1,455	1,294	1,875	2,156	3,600	5,377	4,236	6,318	6,218
2006 June	C12N15/09	435	471	442	525	698	1,631	1,940	2,066	2,565	2,826	3,342	4,719	7,102	6,673	6,888	6,556
Average		264	240	233	286	344	826	1,044	949	924	1,320	1,721	2,383	3,574	3,125	6,220	4,710

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004																	
2005	C12N15/82	59	131	171	270	293	280	337	611	689	1,338	2,467	2,414	2,300	2,118	2,190	1,201
2006 June	C12N15/82	331	523	604	729	892	1,001	1,212	1,502	1,971	2,769	3,530	3,673	3,811	3,605	3,531	2,983

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12P	6,119	6,225	6,702	7,616	7,892	7,170	7,200	7,542	7,858	8,045	8,374	8,830	13,148	16,156		
2005	C12P	5,989	6,146	6,112	6,860	6,857	6,415	6,950	7,300	7,167	8,033	8,098	8,935	13,978	17,120	11,688	4,983
2006	C12P	6,257	6,683	6,670	7,255	7,330	6,942	7,384	7,853	7,935	8,644	8,543	10,899	14,782	17,406	13,866	10,539
2006 June	C12P	6,864	7,048	7,658	8,686	8,870	8,000	8,325	8,557	9,177	9,349	9,788	11,170	15,928	19,848	14,613	13,127

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12Q	2,642	3,241	3,765	4,354	4,805	5,547	6,681	7,594	9,682	10,934	12,841	15,415	19,728	19,455		
2005	C12Q	2,485	2,974	3,393	3,747	3,946	4,860	5,980	7,292	9,148	11,164	12,852	15,240	20,801	21,566	18,501	10,211
2006	C12Q	2,901	3,473	4,004	4,473	4,463	4,967	6,369	8,133	9,801	12,624	14,223	19,275	23,049	24,366	22,682	19,215
2006 June	C12Q	3,291	3,855	4,546	5,196	5,570	6,360	7,578	8,652	10,889	12,629	14,511	19,282	24,336	25,612	24,223	21,082

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2005	C12R	1,294	1,077	1,129	1,974	2,929	2,715	2,736	2,690	2,751	2,669	2,222	2,158	2,212	1,824	1,456	607
2006	C12R	1,317	1,107	1,152	1,959	2,890	2,739	2,749	2,714	2,767	2,690	2,195	2,174	2,232	1,684	1,475	1,086
2006 June	C12R	1,343	1,152	1,223	2,082	3,140	2,854	2,805	2,714	2,770	2,692	2,287	2,176	2,796	2,105	1,568	1,191

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2005	C12R1	1,264	1,046	1,104	1,962	2,860	2,707	2,732	2,680	2,740	2,658	2,214	2,135	2,251	1,813	1,442	605
2006	C12R1	1,286	1,074	1,126	1,944	2,821	2,370	2,745	2,704	2,756	2,677	2,187	2,151	2,271	1,676	1,460	1,056
2006 June	C12R1	1,312	1,117	1,195	2,066	3,132	2,844	2,801	2,705	2,759	2,679	2,279	2,153	2,775	2,094	1,552	1,156

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	C12S	77	154	266	224	334	345	297	277	276	220	163	135	191	206		
2005	C12S	61	139	252	226	257	321	282	233	214	162	140	125	187	186	179	66
2006	C12S	62	143	255	229	257	327	289	242	220	161	140	125	204	197	166	117
2006 June	C12S	110	230	384	351	467	496	459	402	431	354	281	236	347	293	287	190

Dataset	IPC	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2004	G01N 33/53	1,254	1,260	1,277	1,428	1,809	1,696	2,097	2,414	2,846	3,314	3,258	4,453	5,978	6,942		
2005	G01N 33/53	1,038	1,003	1,114	1,184	1,490	1,423	1,675	2,222	2,265	2,850	3,373	4,471	6,828	7,637	6,563	3,303
2006 June	G01N33/53	1,438	1,440	1,490	1,669	2,032	1,923	2,307	2,623	3,182	3,651	3,719	5,316	7,872	9,194	7,884	6,389

The following graphs provide basic comparisons of the results of searches of esp@cenet for a number of the main indicators (see notes above)

Figure 1

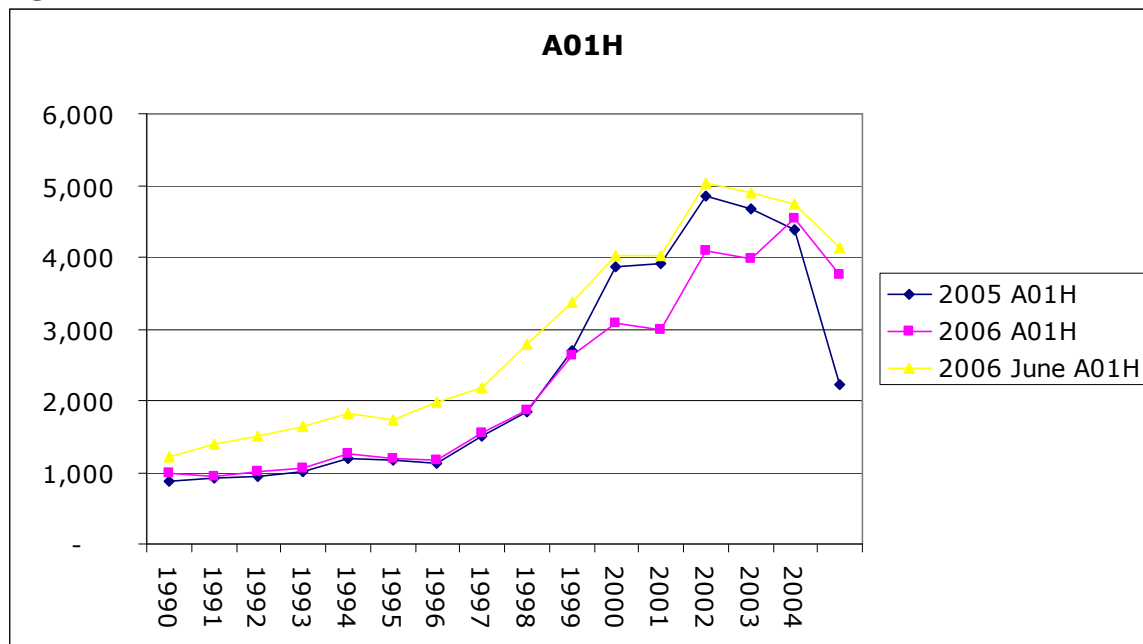


Figure 2

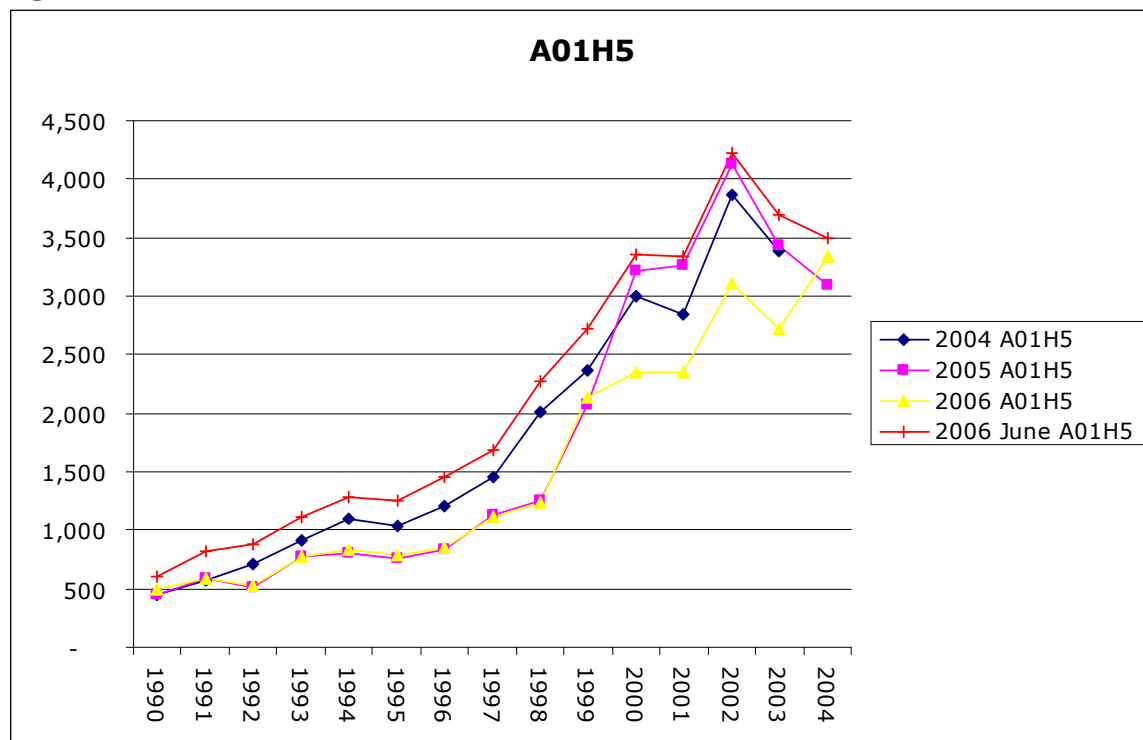


Figure 3

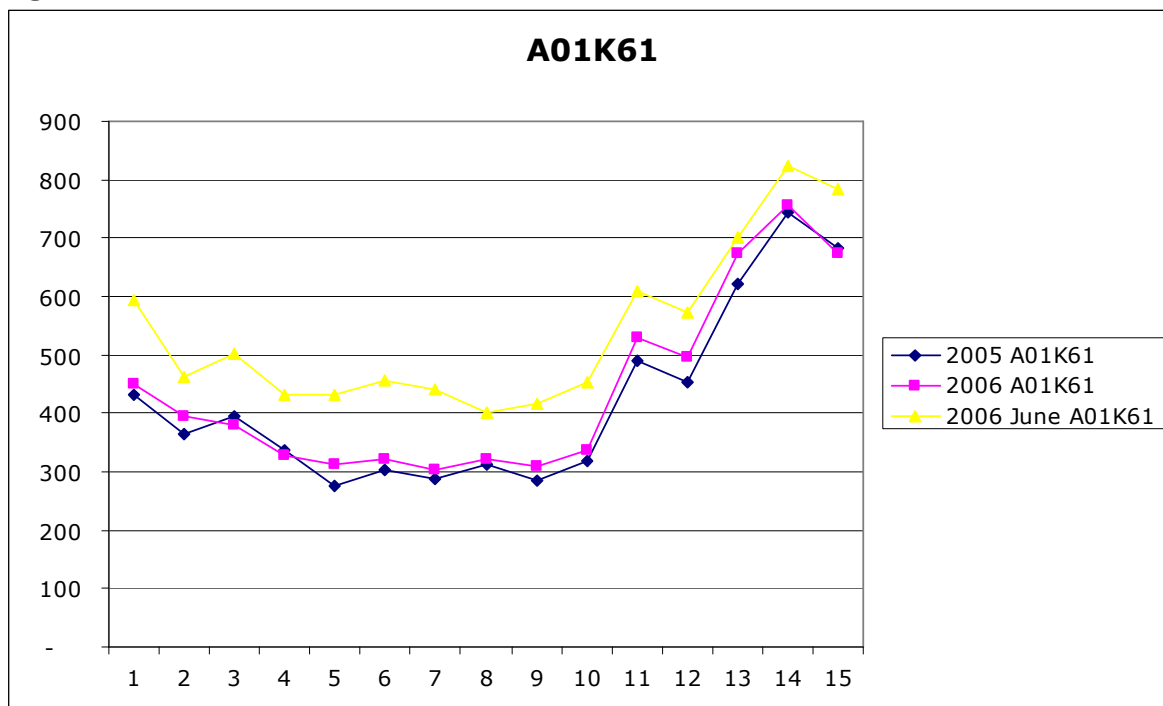


Figure 4

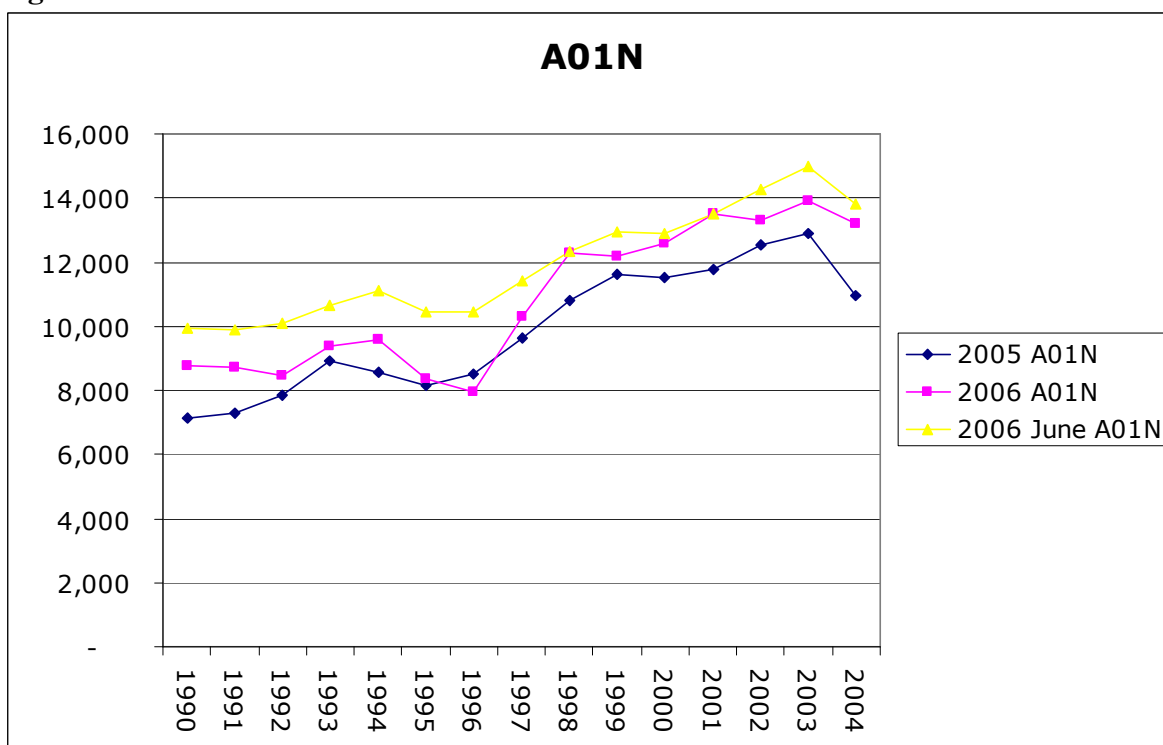


Figure 5

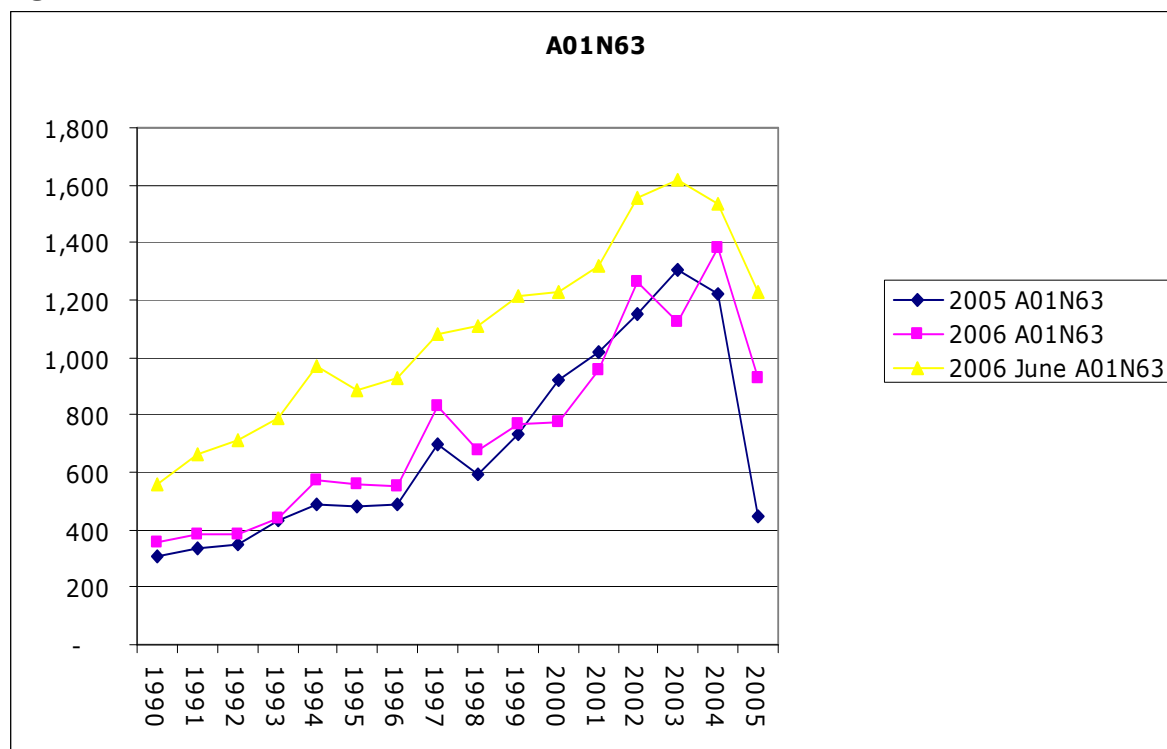


Figure 6

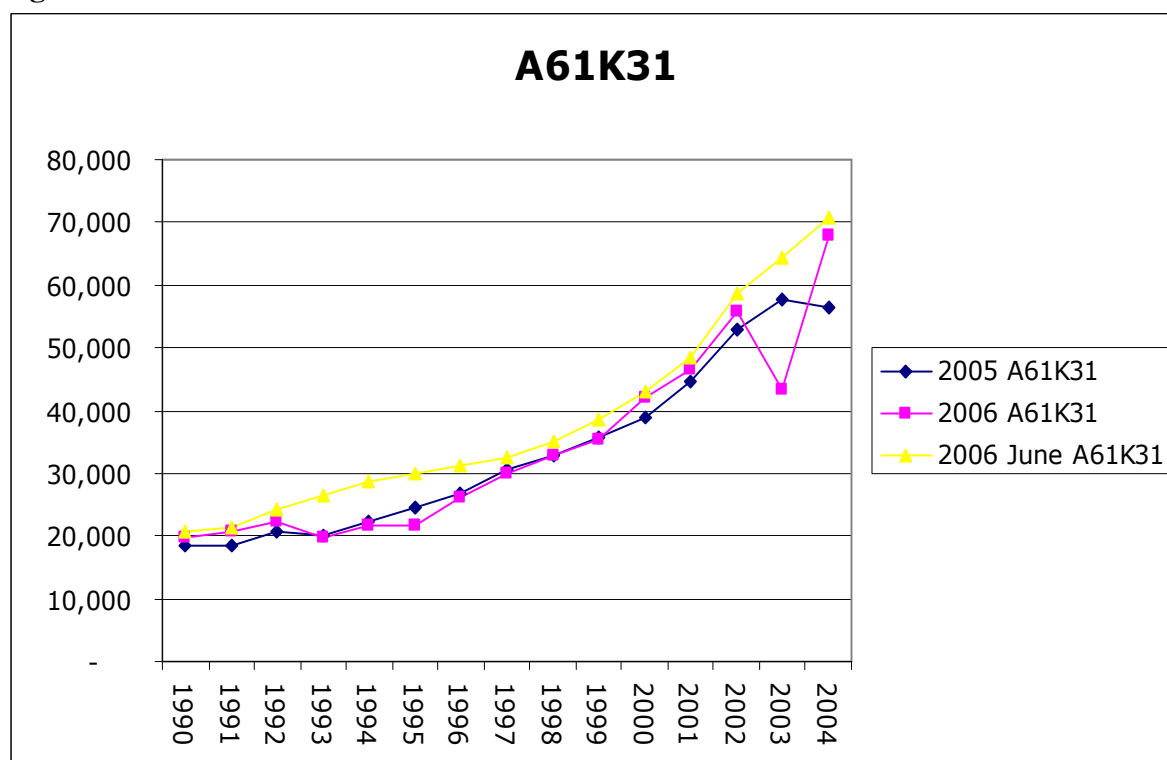


Figure 7

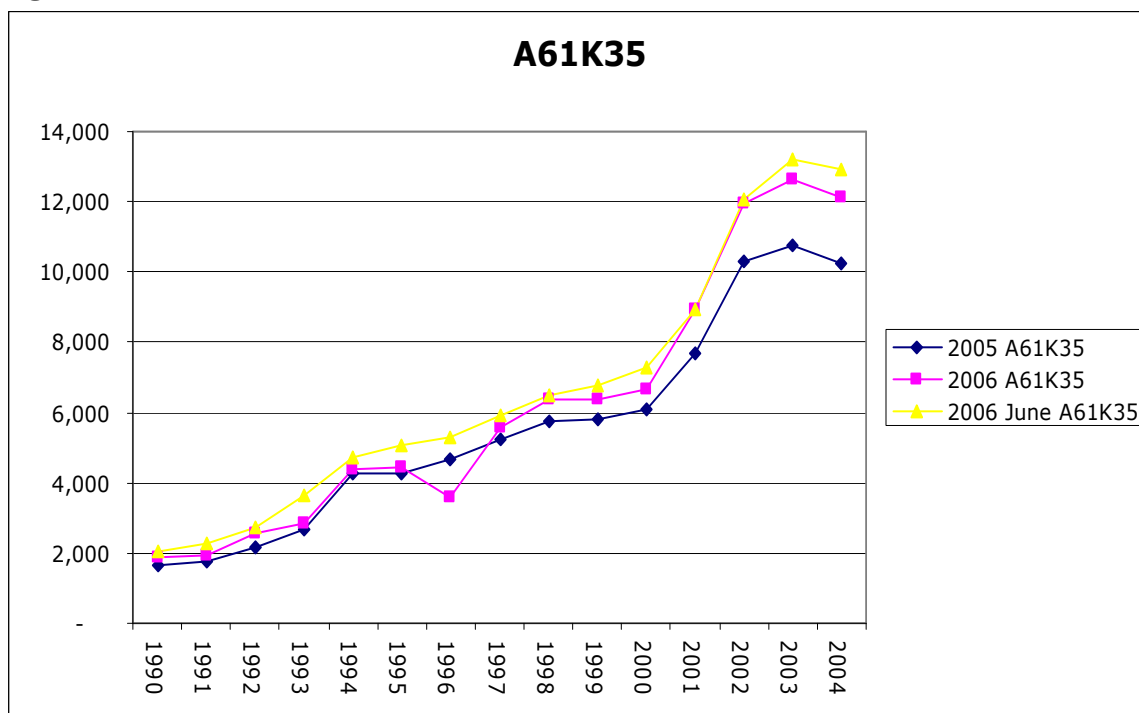


Figure 8

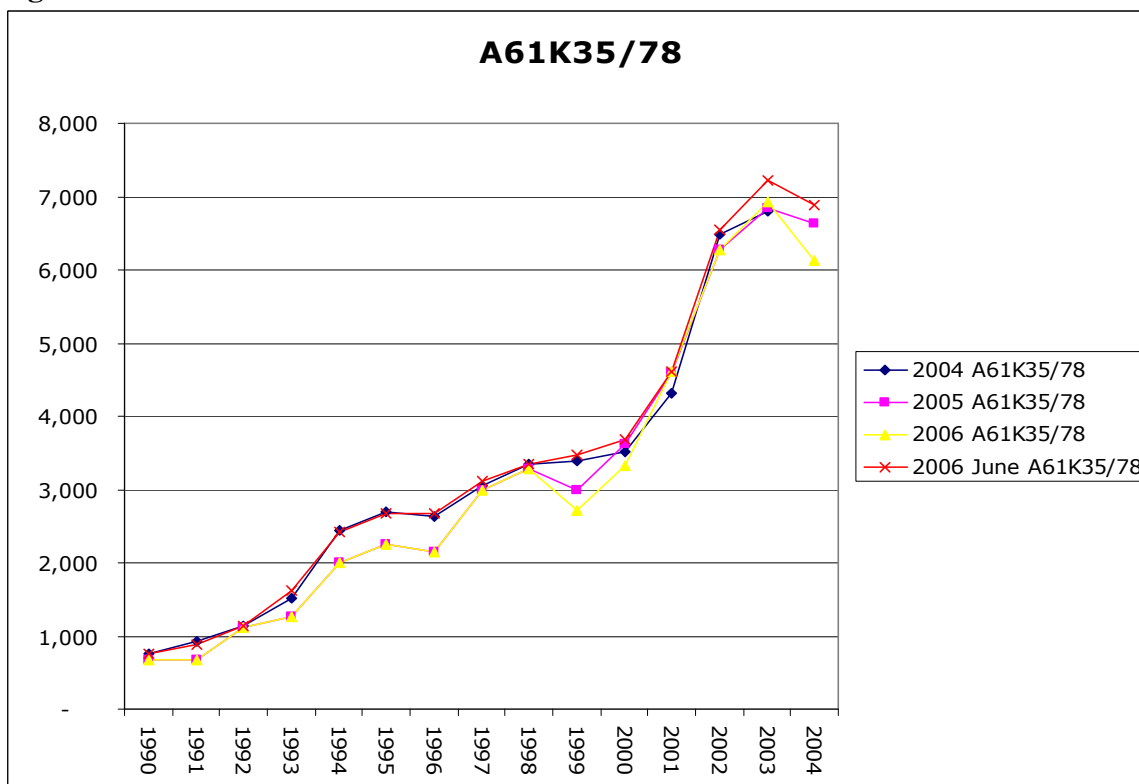


Figure 9 - Medicinal preparations containing peptides

Note that the variation reflects the use of A61K38/00 in conducting searches rather than A61K38 as commonly awarded by examiners.

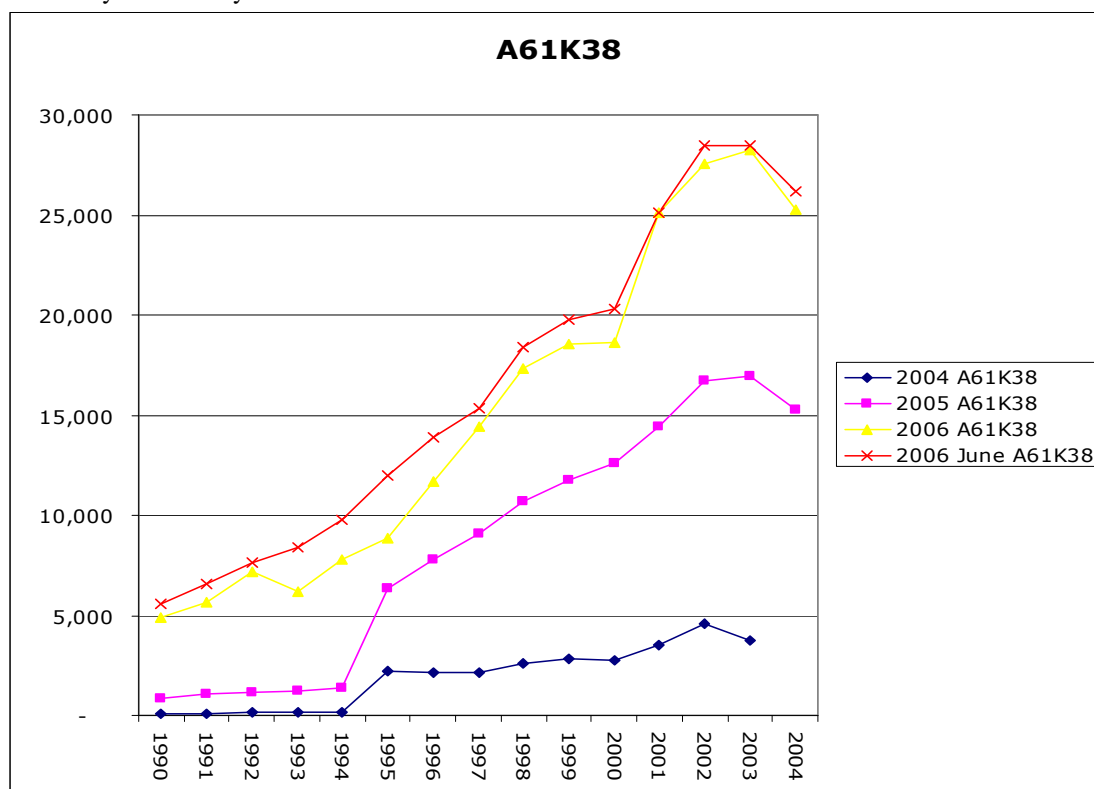


Figure 10 (see note for A61K38 in relation to the search in 2004)

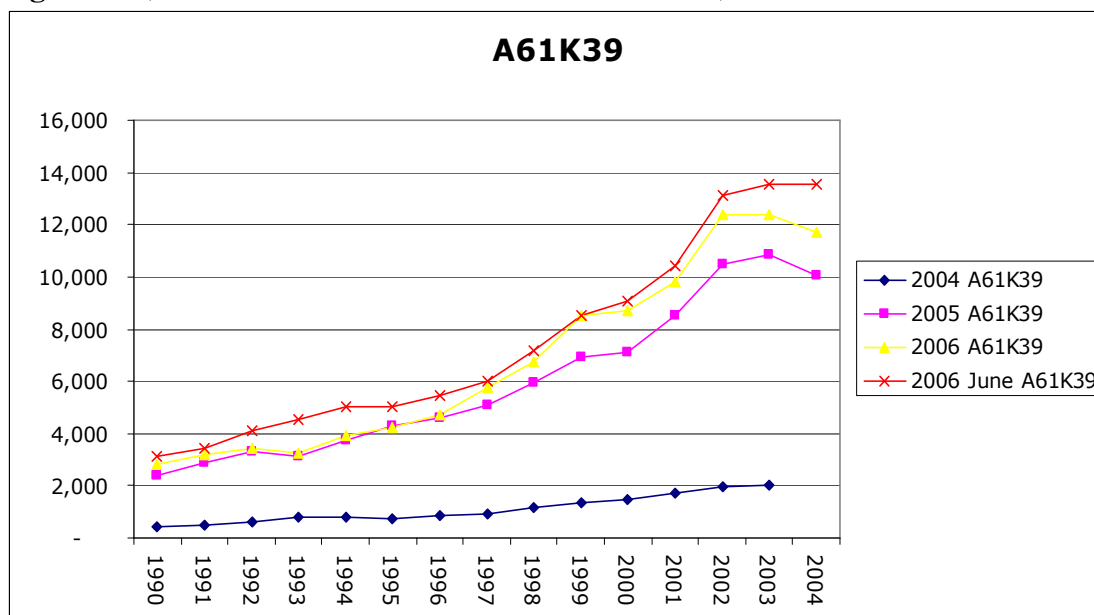


Figure 11

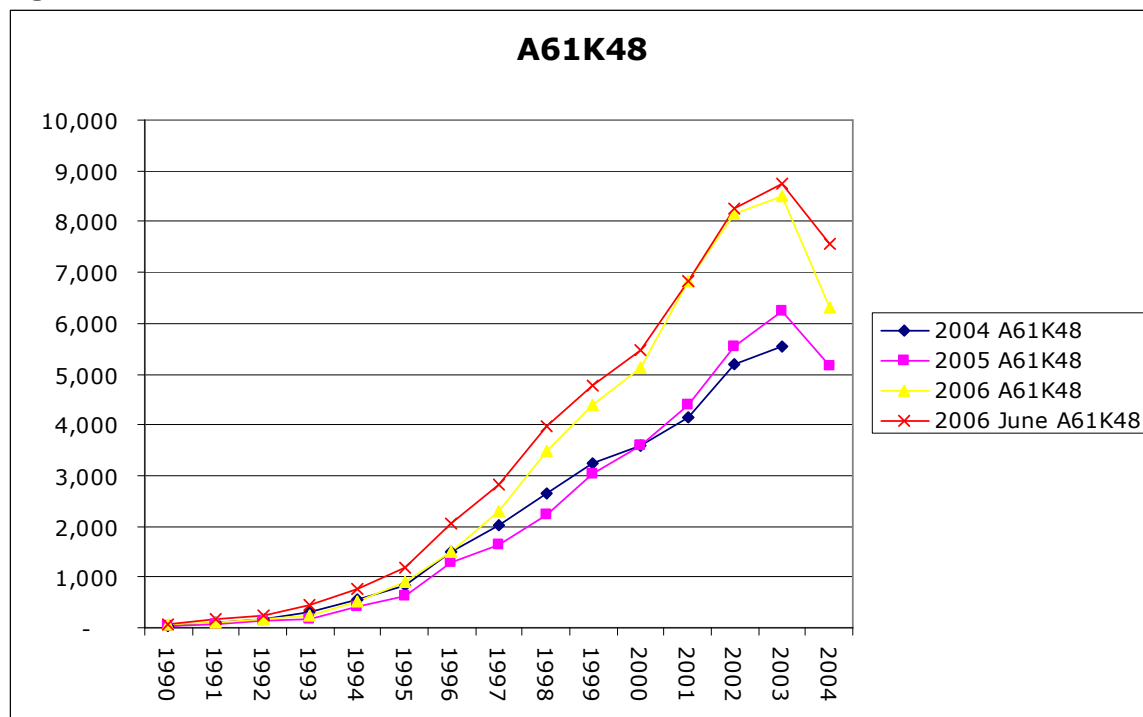


Figure 12

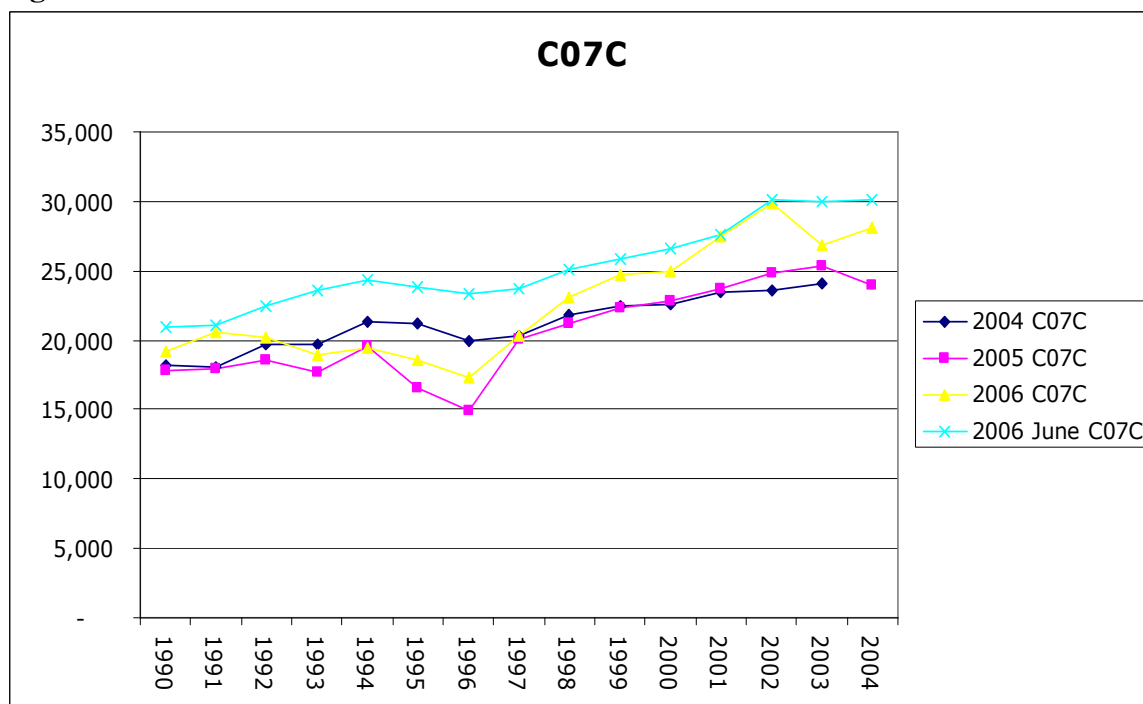


Figure 13

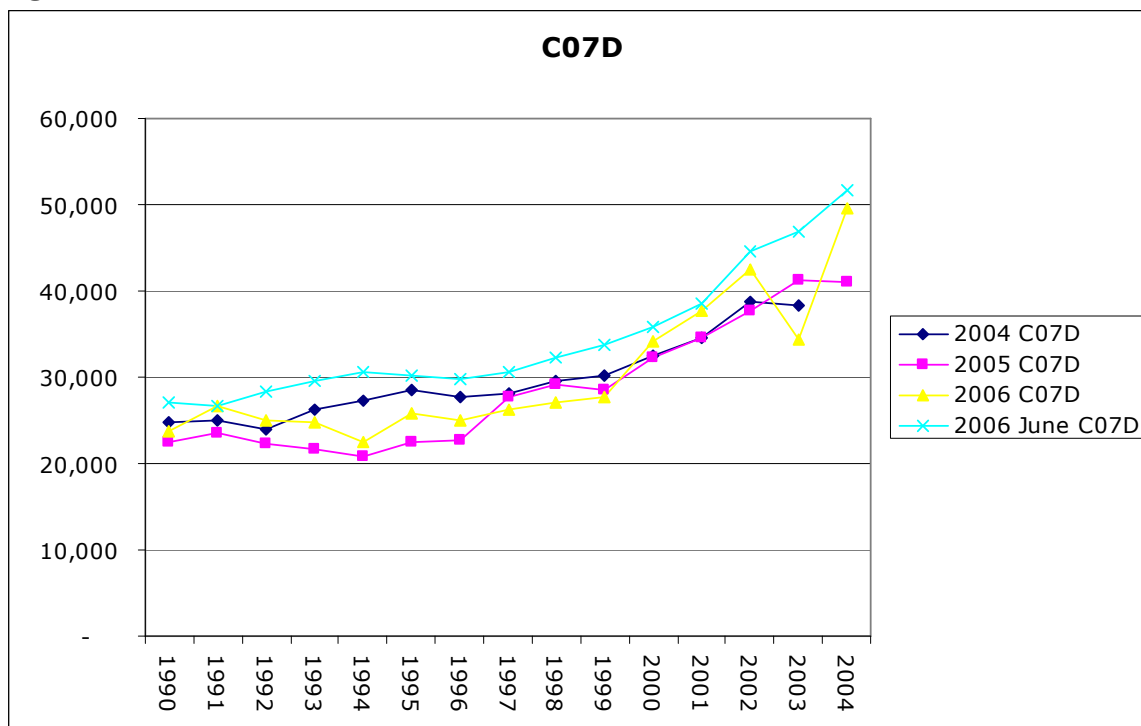


Figure 14

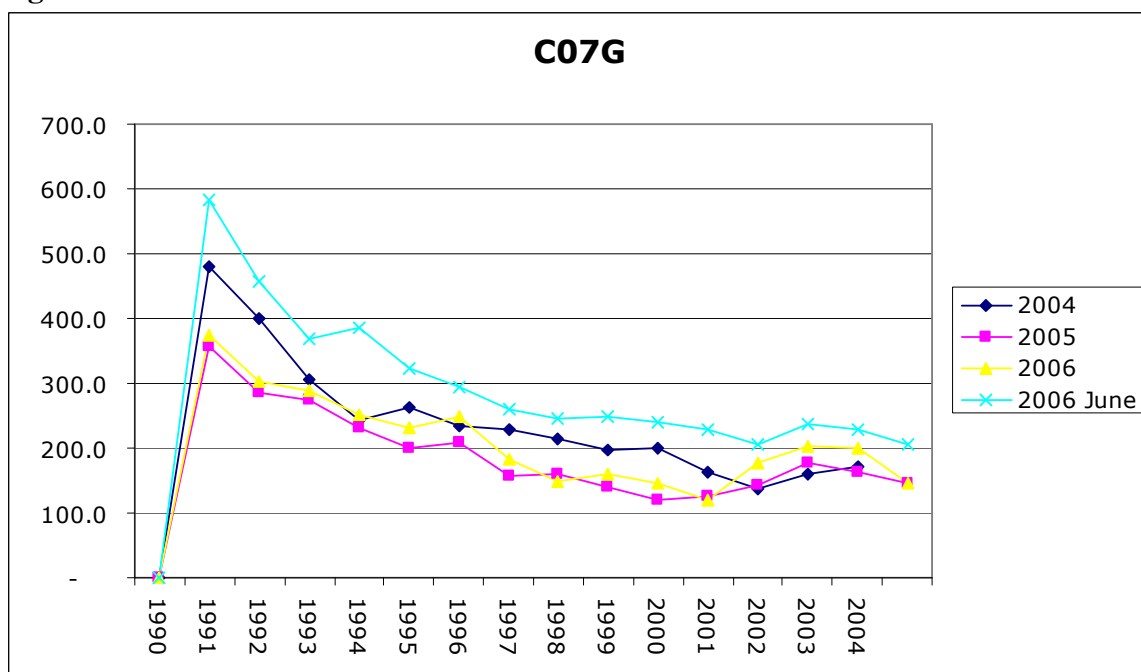


Figure 15

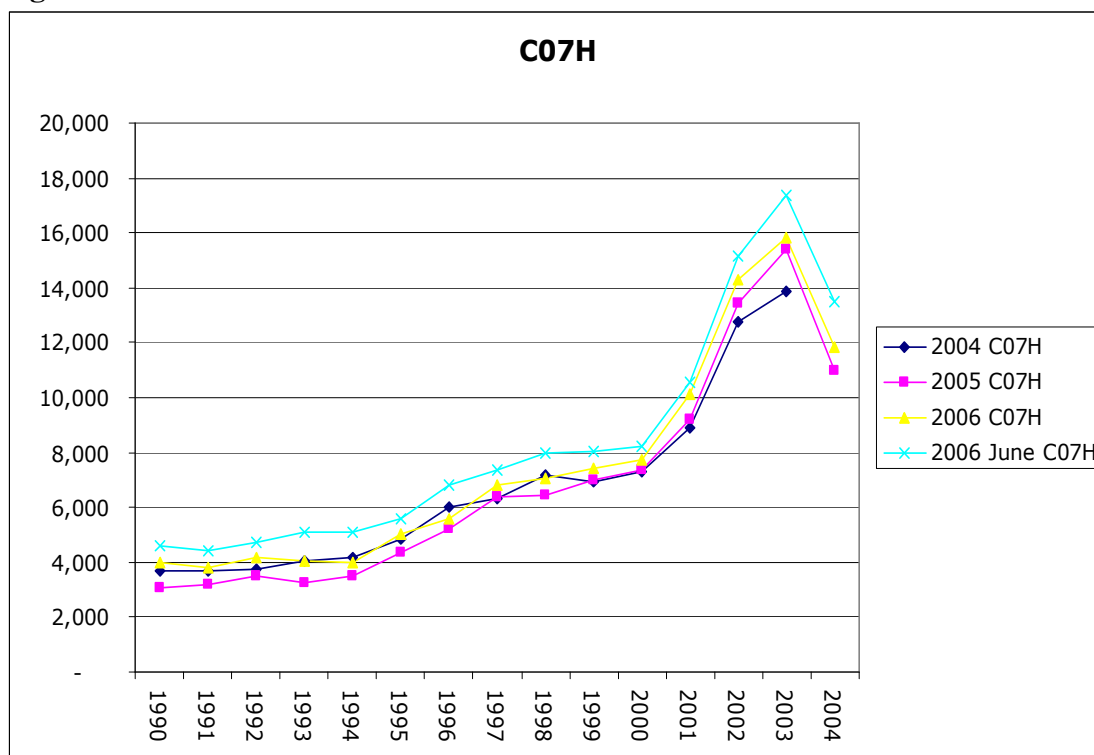


Figure 16

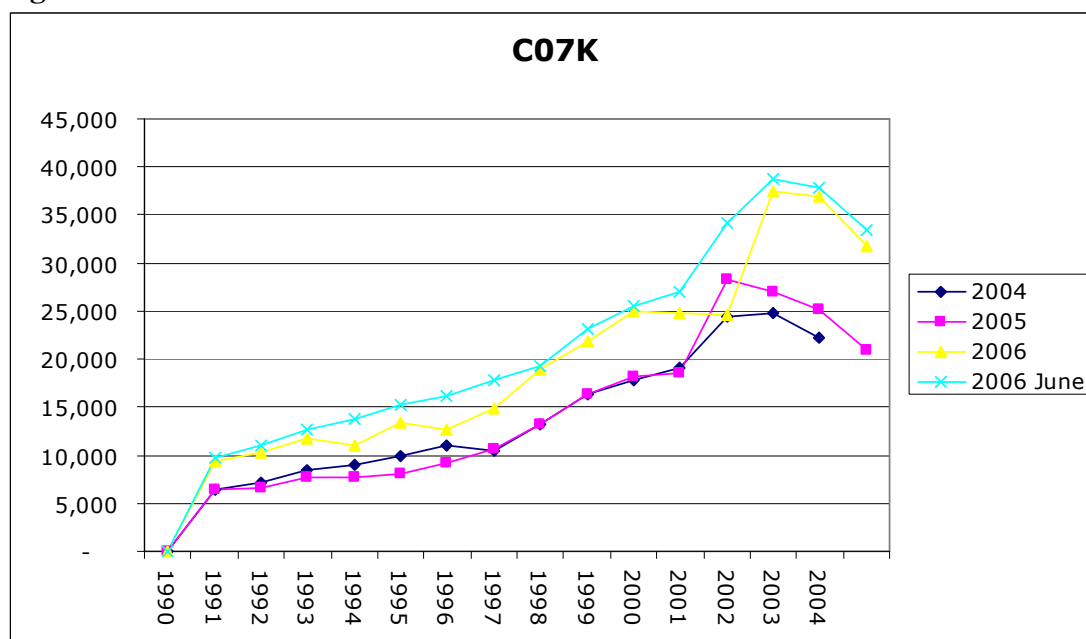


Figure 17

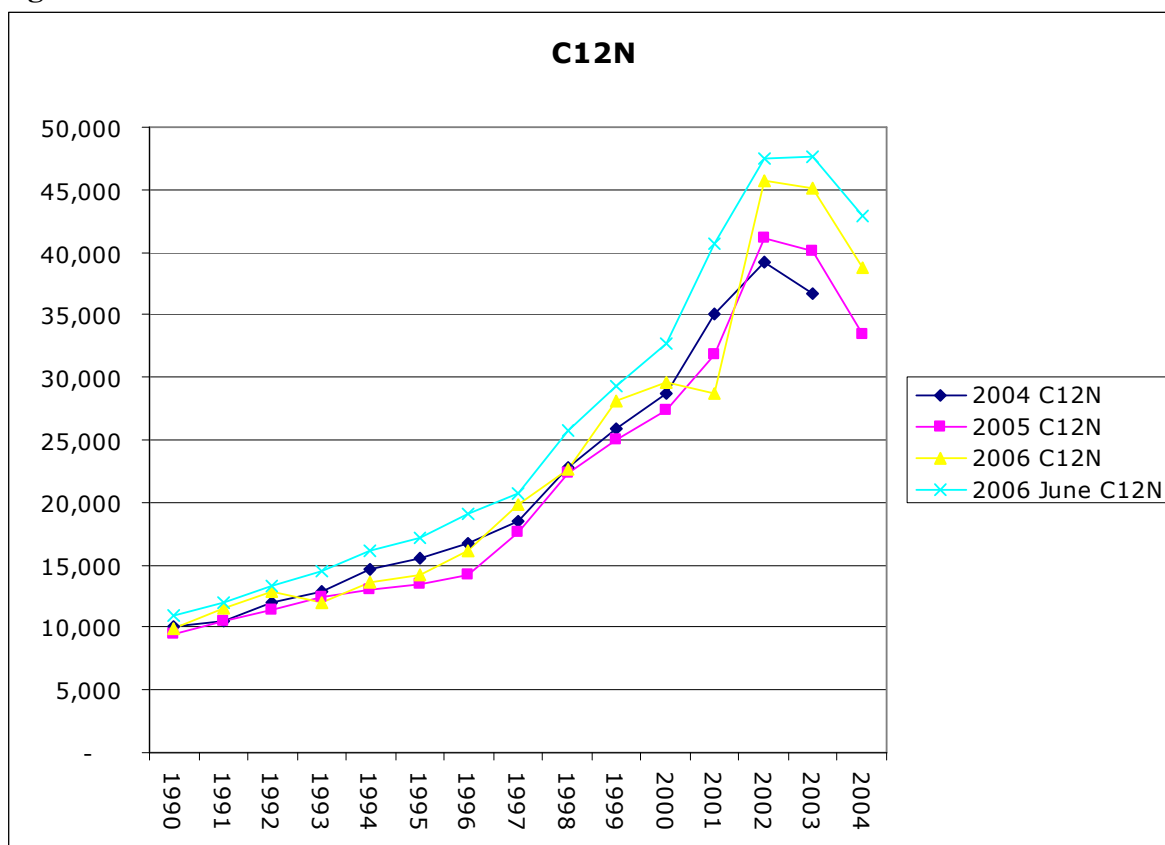


Figure 18

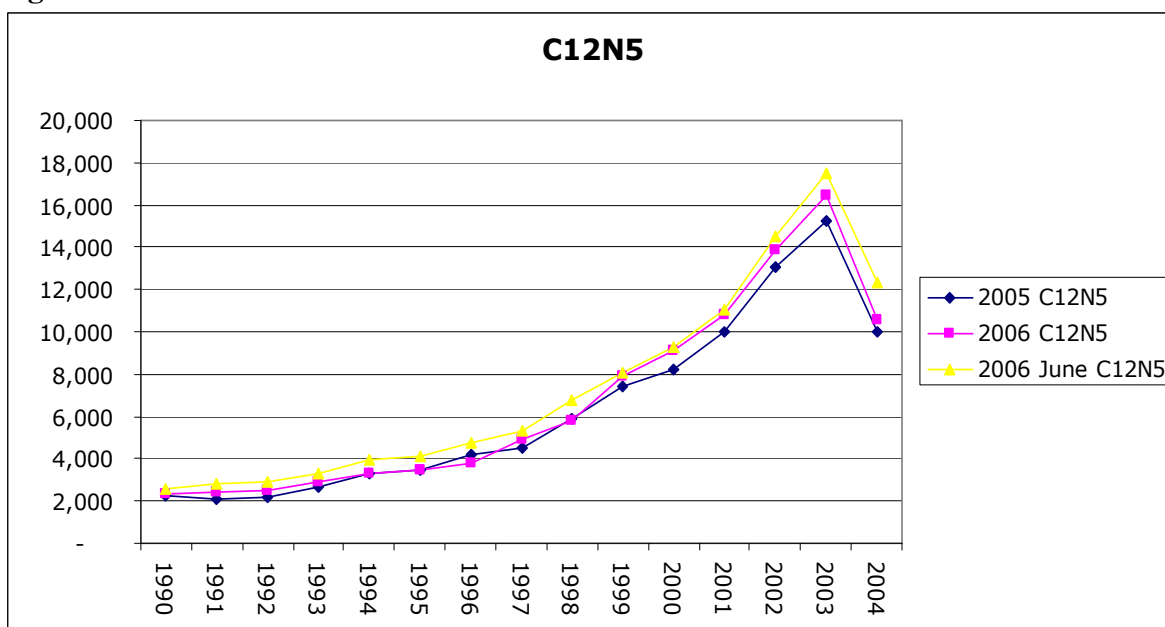


Figure 19

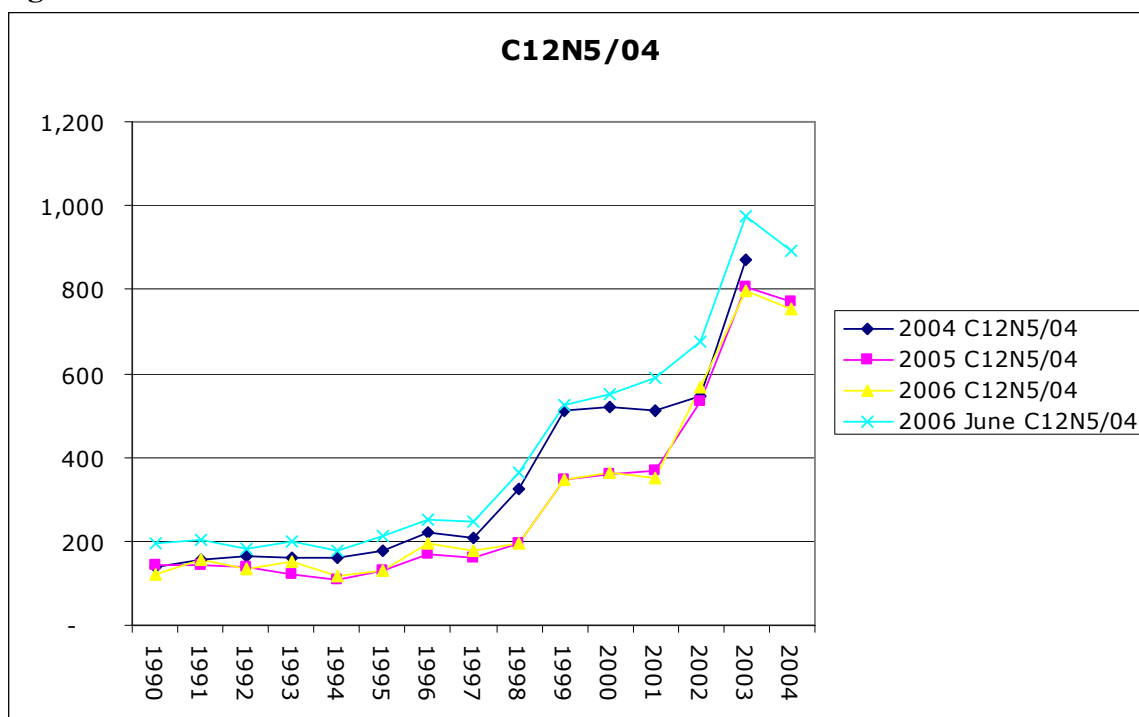


Figure 20

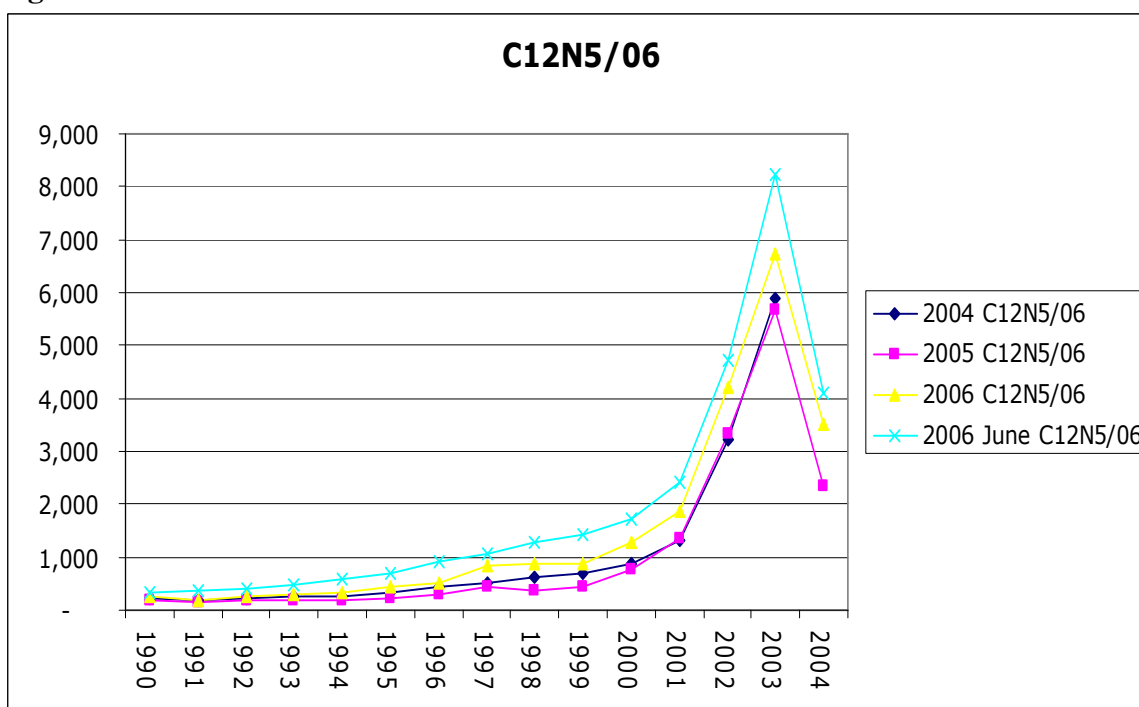


Figure 21

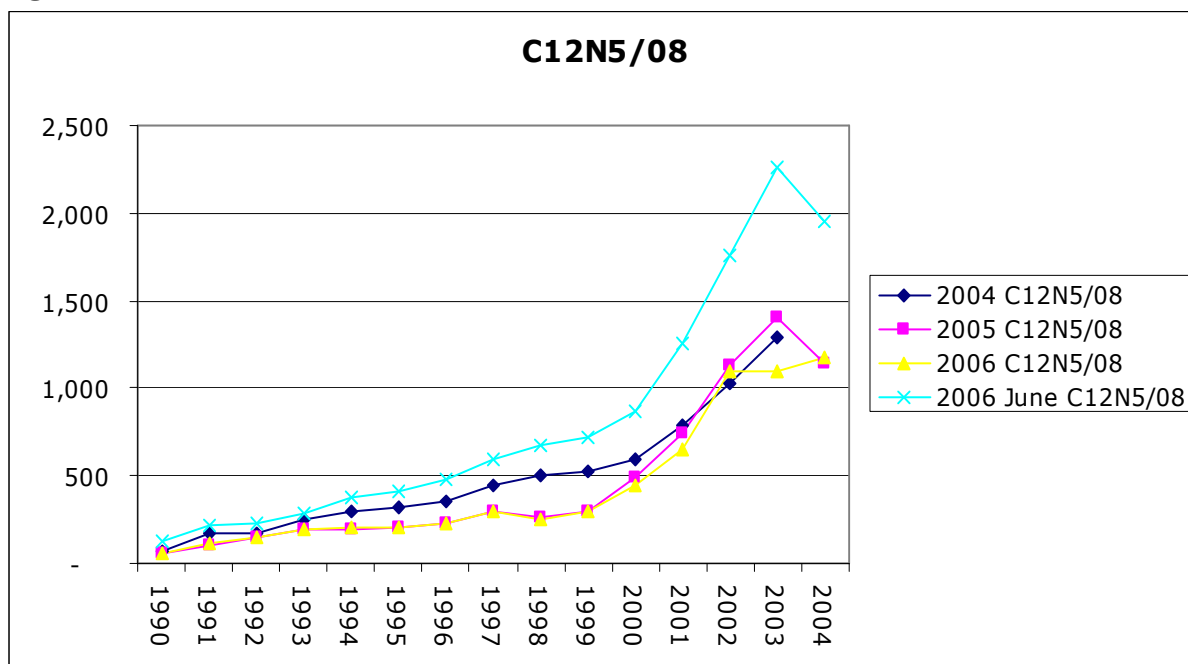


Figure 22

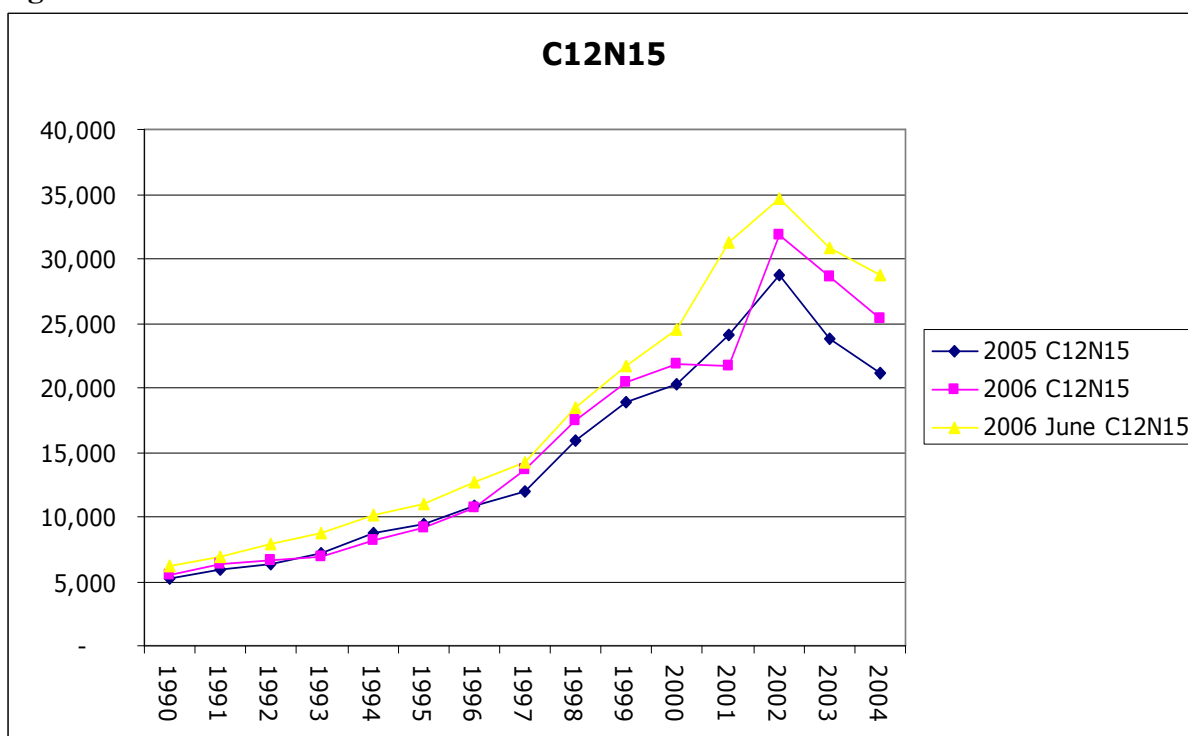


Figure 23

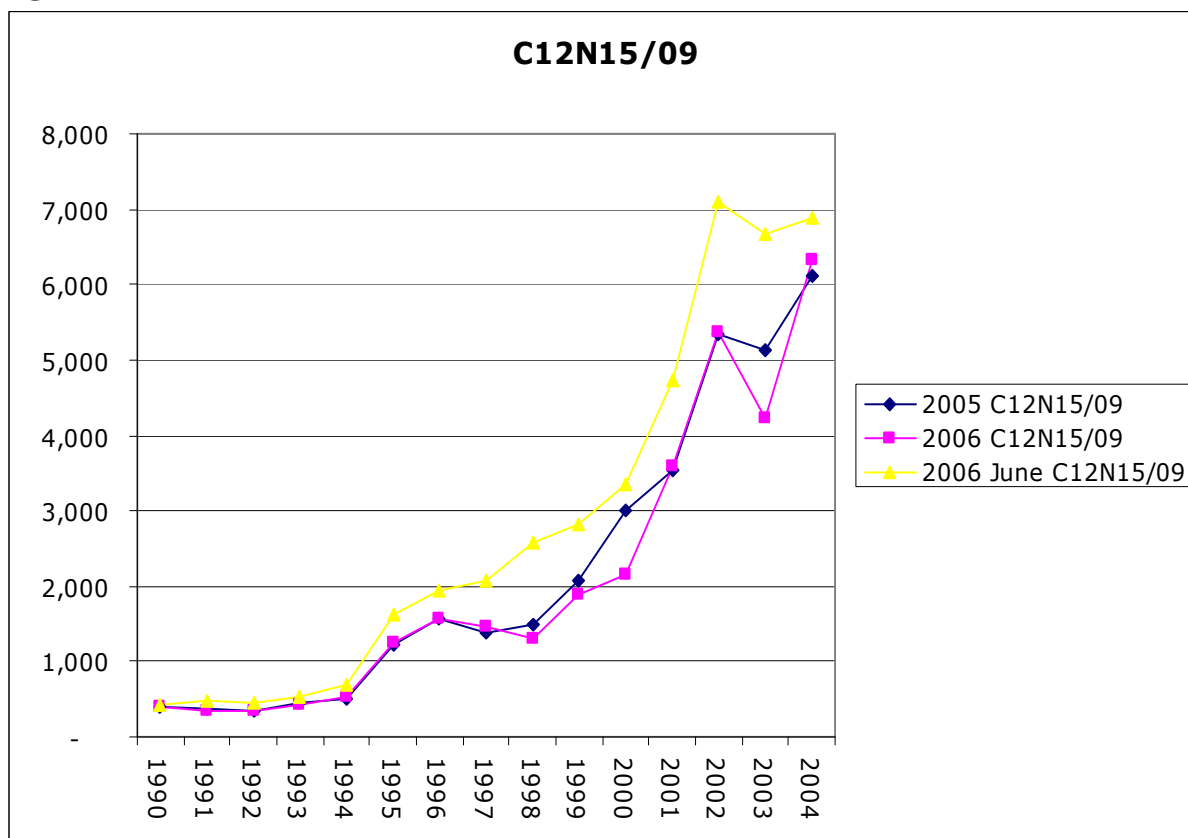


Figure 24

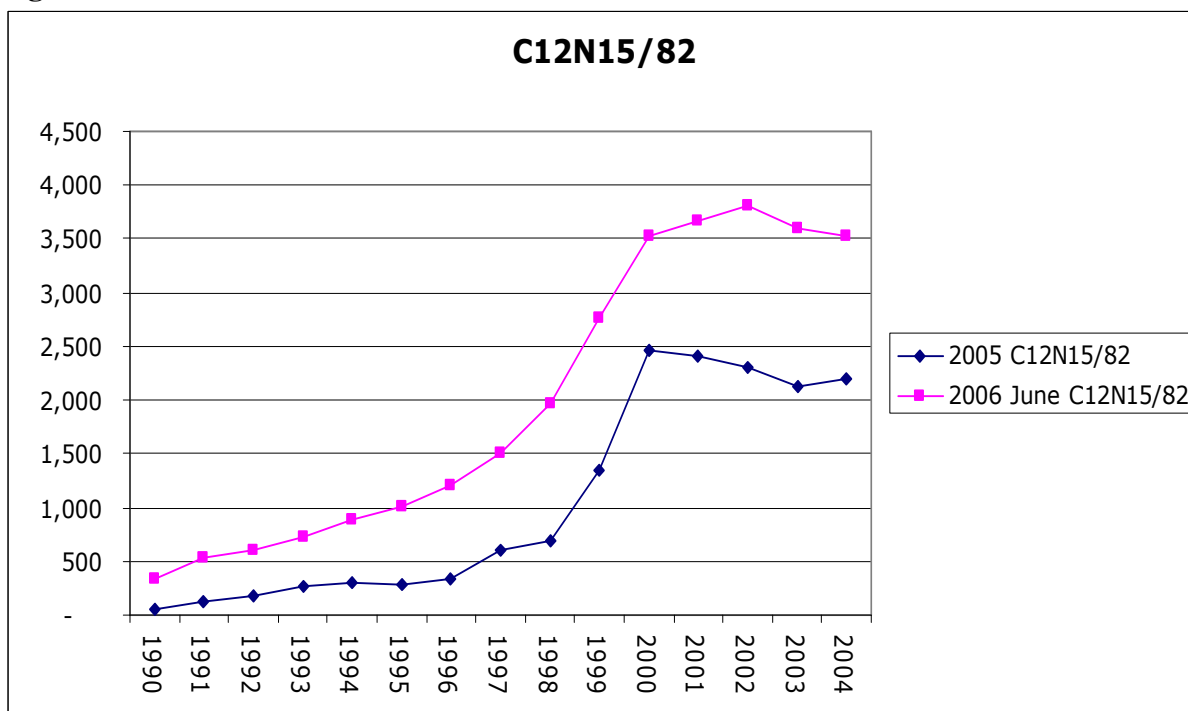


Figure 25

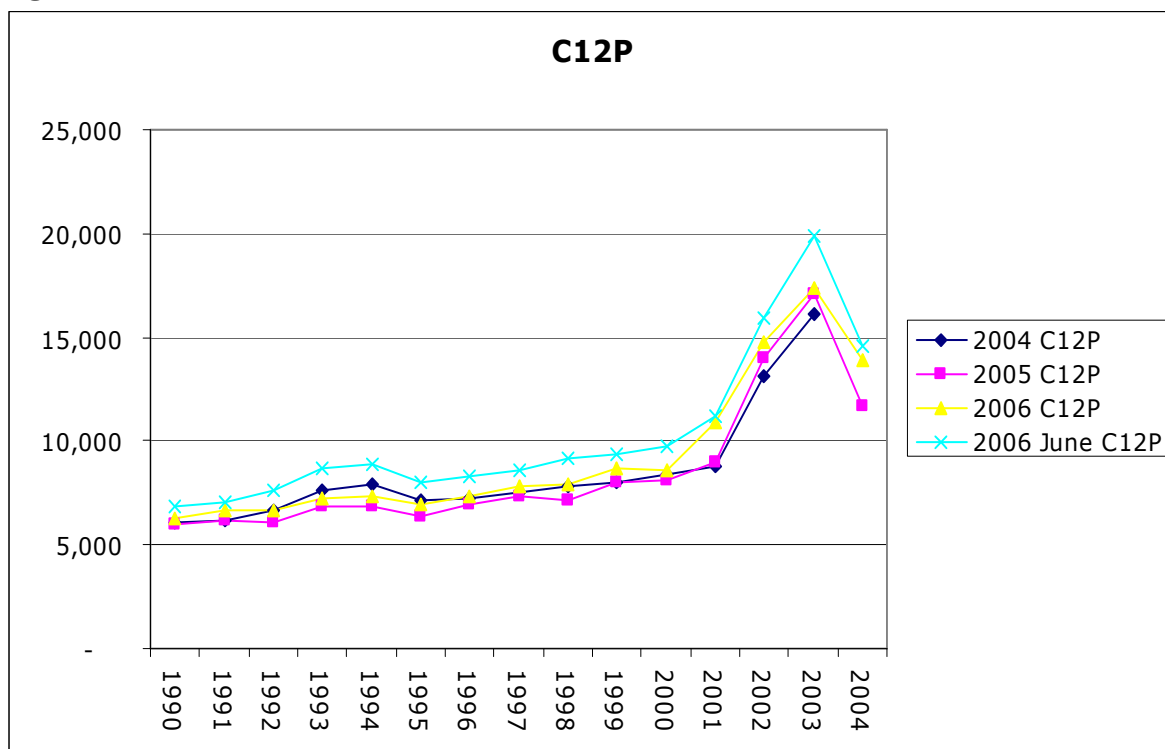


Figure 26

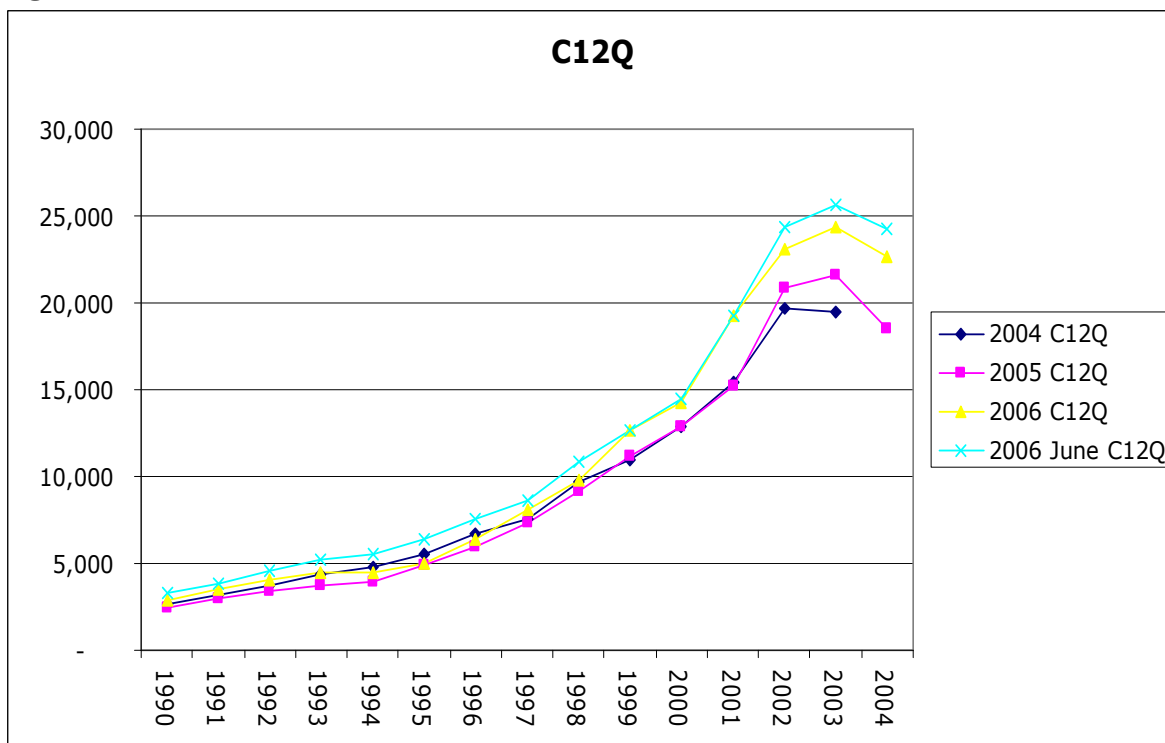


Figure 27

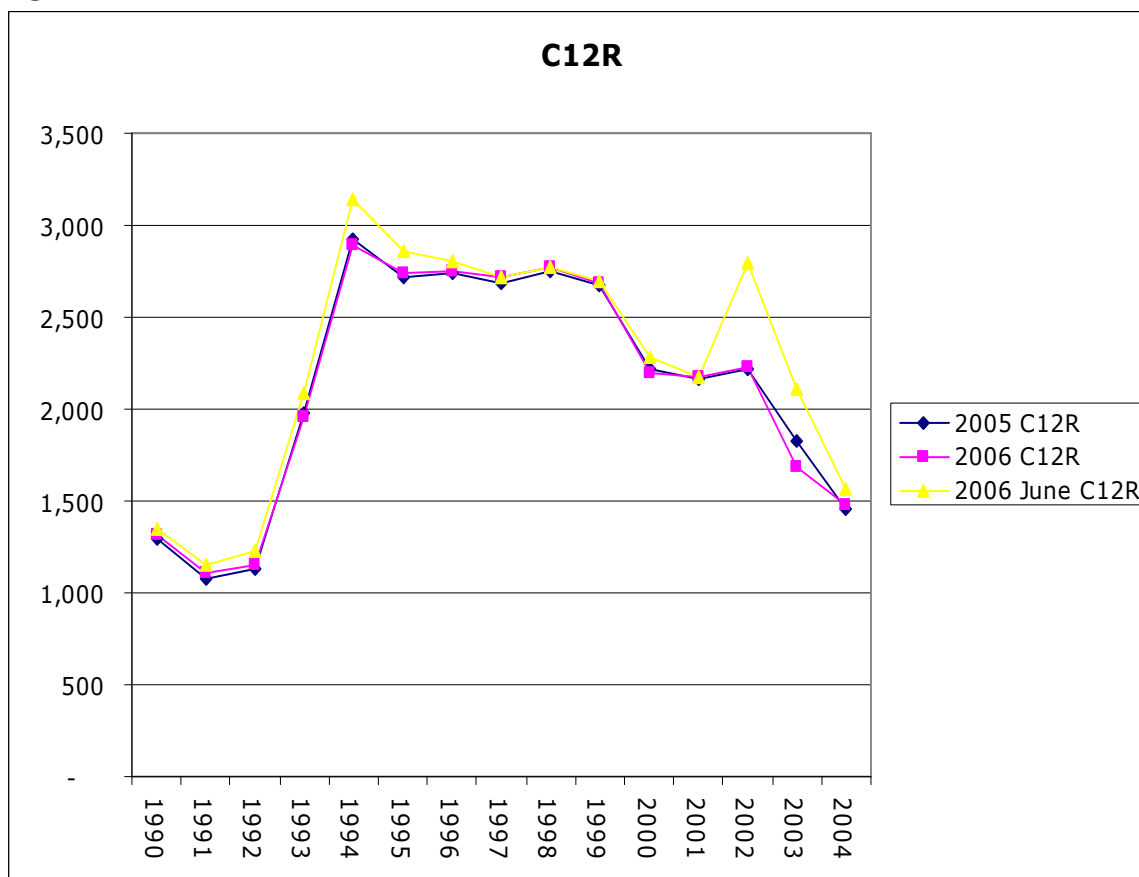


Figure 28

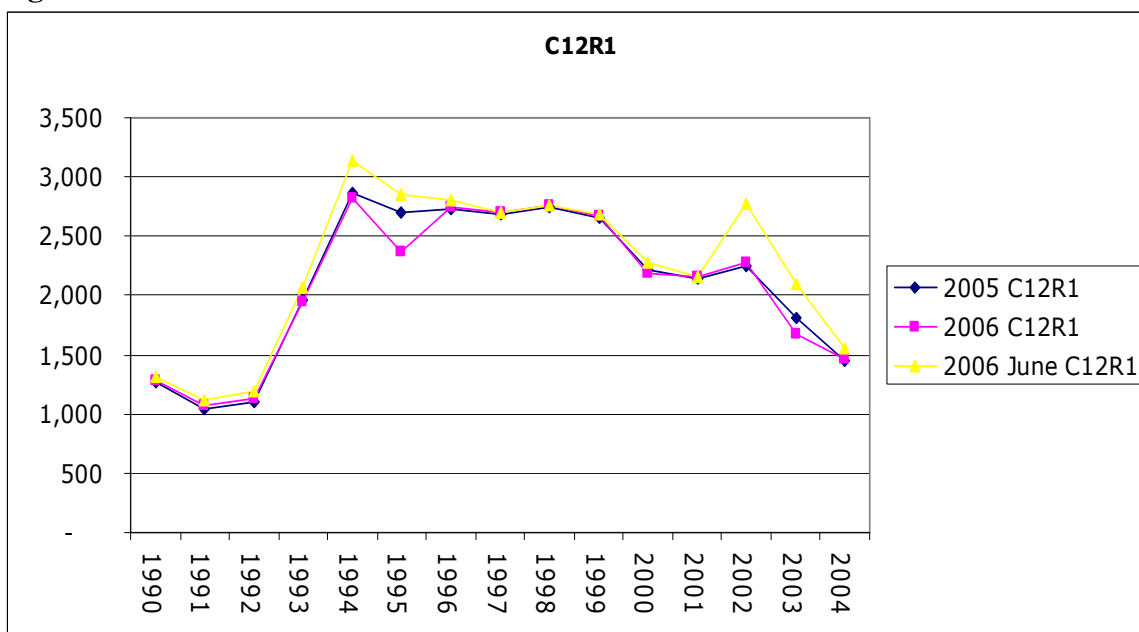


Figure 29

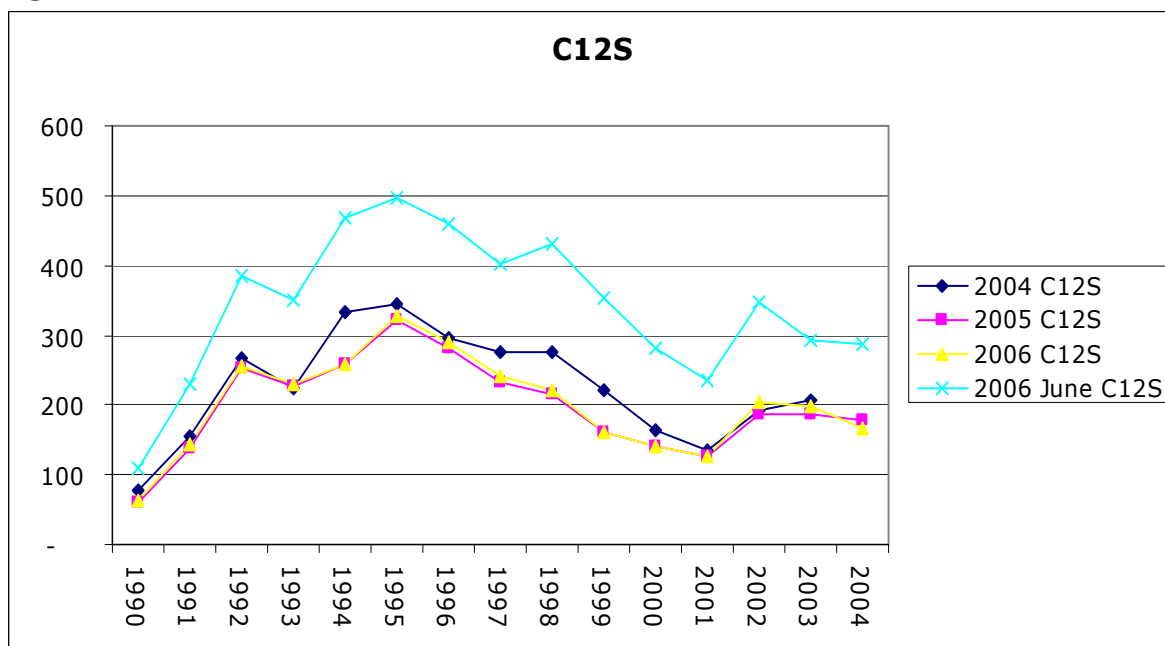


Figure 30

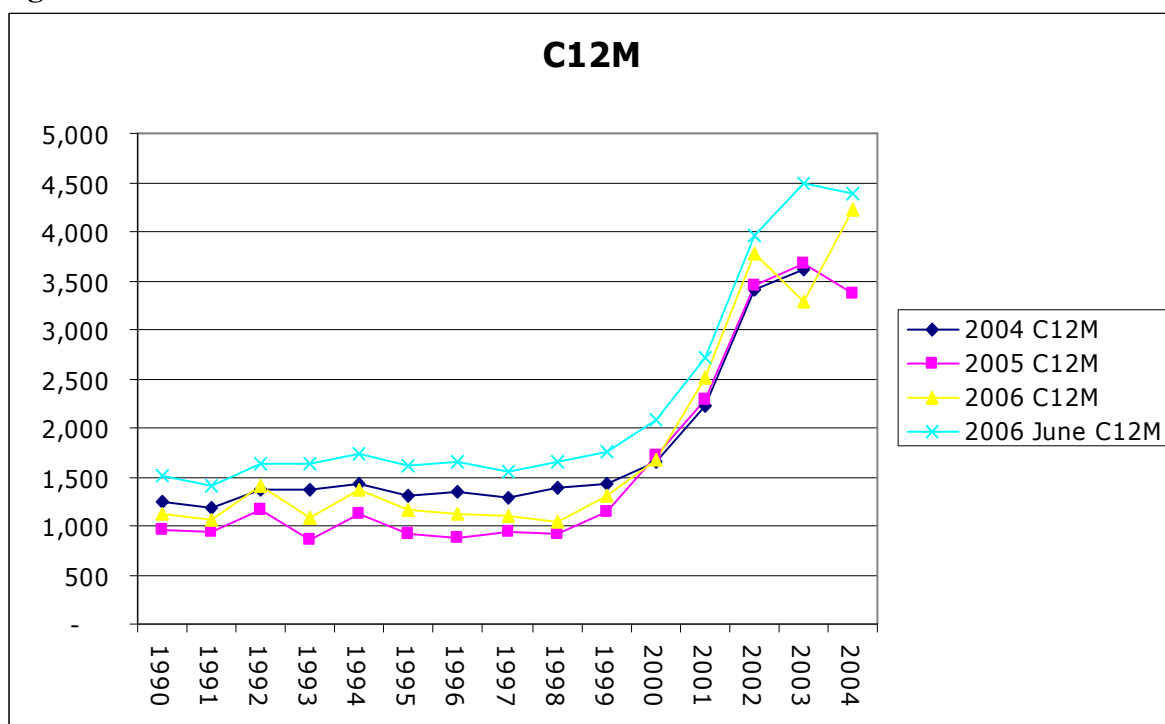
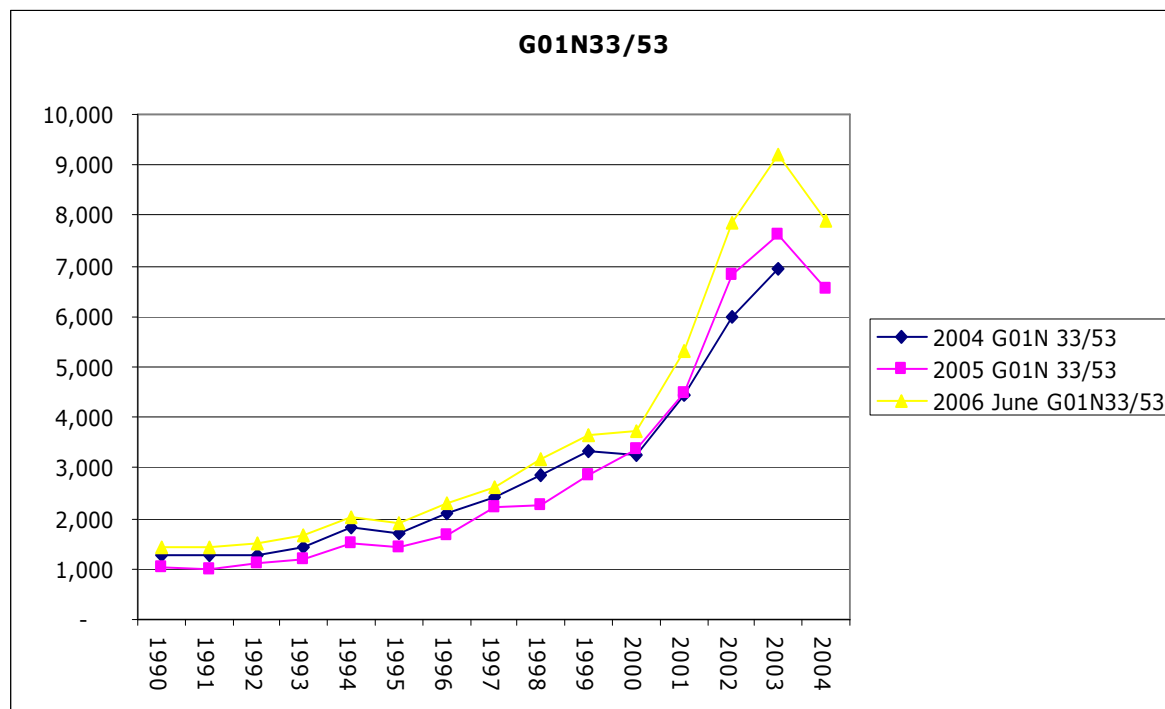


Figure 31



3. Data coverage tables

Source: European Patent Office esp@cenet database.

http://ep.espacenet.com/help?locale=en_EP&method=handleHelpTopic&topic=detailedcoverage

Database Coverage Summary Calculation by Kind Code (July 2006)

For Kind Codes See WIPO Standard ST. 16 .

Note coverage tables exclude XP documents (non-patent literature).

A, B or C	32,401,382
B - second level patent publication	6,573,043
C - third level patent publication	3,210,828
D Germany - Granted European Patent	766,070
T (Translations)	1,429,522
E (Reissues)	91,489
F (Reexamined)	1,813
G (Singapore - type assumed patent)	10,238
L (Patent abstract publication)	2,122
P (Plant Patent US)	62,924
M (Special medicine patent FR)	3,607
R -Separately published search report	13,236
<u>Sub-Total</u>	<u>44,566,274</u>
Other	
H - Registrations (US)	664
S - Design patent documents	87,863
U (Utility Model First Level)	5,051,989
Y (Utility Model Second Level)	1,167,989
<u>Sub-Total</u>	<u>6,308,505</u>
<u>Total</u>	<u>50,874,779</u>

Table VIII. Background Data for Database Summary Calculation

Source: European Patent Office esp@cenet database.

http://ep.espacenet.com/help?locale=en_EP&method=handleHelpTopic&topic=detailedcoverage

The following table gives an overview of the contents of the worldwide database

Explanations of the table fields

Country: country code.

Code: kind code.

Documents: Number of documents of that kind code available in the worldwide database.

Oldest: oldest document of that type having a publication date available. This does not necessarily correspond to the oldest document in the database as usually this one does not contain a populated publication date.

Most recent: the most recent document available when the monthly screening has taken place.

Note: when no kind code is specified, it means A, B or C documents.

Table is current as of 13 July 2006

Country	Code	Documents	Oldest		Most recent	
Second level	B	409,950	AT124B	(25/08/1899)	AT501082B	(15/06/2006)
	B	317,987	AU113576B	(30/07/1941)	AU2004240260B	(22/06/2006)
	B	102	BA96066B	(06/03/1998)	BA98222B	(02/08/1999)
	B	4,685	BG60191	(30/12/1993)	BG64720	(30/12/2005)
	B	370	CA924561	(17/04/1973)	CA1340121	(10/11/1998)
	B	2,234	CH547897	(11/04/1974)	CH690157	(15/11/2000)
	B	19,497	CN85100001B	(10/09/1985)	CN1019872B	(30/12/1992)
	B	129,593	CS110525	(15/04/1964)	CS292695	(12/11/2003)
	B	1,104	CU20602	(13/02/1974)	CU22424	(11/12/1995)
	B	18,368	CZ277680	(17/03/1993)	CZ296057	(14/12/2005)
	B	568,160	DEST2616	(19/07/1951)	DE102005024063	(06/07/2006)
	B	65,110	DK6487B	(11/04/1904)	DK176107B	(26/06/2006)
	B	6,519	EA7	(01/07/1996)	EA6519	(29/12/2005)
	B	1,723	EE2977	(15/02/1996)	EE4654	(15/06/2006)
	B	806,540	EP0000010	(09/01/1980)	EP1625185	(05/07/2006)
	B	22,456	ES2032239	(16/08/1993)	ES2244319	(16/06/2006)
	B	76,073	FI40001B	(31/05/1968)	FI117080B	(31/05/2006)
	B	565,819	FR2024873	(03/11/1972)	FR2873597	(07/07/2006)
	B	295,522	GB2000004	(06/01/1982)	GB2419376	(05/07/2006)
	B	4,764	GR1000001	(31/10/1989)	GR1005089	(28/12/2005)
	B	2,596	HR920188	(31/12/1995)	HR20040291	(30/06/2006)
	B	62,121	HU162185	(29/01/1973)	HU224764	(30/01/2006)
	B	238	ID837	(29/07/1992)	ID1055	(30/10/1996)
	B	37,829	IE17383	(09/01/1948)	IE83868	(20/04/2005)
	B	1,486,859	JP36008730B	(26/06/1961)	JP10747284B	(06/05/1998)
	B	261,391	KR8000166	(10/03/1980)	KR447719	(06/04/2005)
	B	2,303	LT3001	(25/08/1994)	LT5303	(27/12/2005)
	B	3,238	LV10001	(20/10/1994)	LV13372	(20/12/2005)
	B	1,049	MD1	(31/01/1994)	MD3063	(31/05/2006)
	B	11,681	MX165914	(09/12/1982)	MX226742	(16/03/2005)
	B	51,528	NL24297B	(15/12/1924)	NL195034B	(01/08/2003)
	B	87,127	NO155347B	(08/12/1966)	NO321713B	(26/06/2006)
	B	111,678	PL45687B	(13/03/1962)	PL191342B	(28/04/2006)

Country	Code	Documents	Oldest		Most recent	
	B	26,143	PT66476	(12/03/1976)	PT102929	(30/09/2005)
	B	18,404	RO102338	(20/08/1991)	RO120682	(30/05/2006)
	B	170,658	SE205247	(07/06/1966)	SE470607	(17/04/2000)
	B	572	SI8111622	(30/06/1998)	SI9720005	(28/02/2006)
	B	7,441	SK277680B	(08/12/1993)	SK285127B	(01/06/2006)
	B	905,282	US3367320	(29/12/1981)	US7073200	(04/07/2006)
	B	8,329	WO9817166	(01/10/1998)	WO2006056260	(06/07/2006)
		6,573,043				
Third level	C	192,351	CA1200490	(11/02/1986)	CA2486778	(13/06/2006)
	C	227,103	CN1019873C	(06/01/1993)	CN1247064C	(22/03/2006)
	C	1,160,245	DE3543	(09/01/1879)	DE19903836	(06/07/2006)
	C	146,498	DK1C	(25/03/1895)	DK166105C	(28/06/2004)
	C	49,600	FI37062C	(31/08/1968)	FI98384C	(07/07/2005)
	C	1,198,487	JP746395C	(23/10/1974)	JP2119385C	(06/12/1996)
	C	59,330	NL90C	(02/01/1914)	NL1028882C	(18/04/2006)
	C	49,845	NO173699C	(19/01/1909)	NO174814C	(15/01/2004)
	C	126,609	SE3819	(30/09/1892)	SE527871	(27/06/2006)
	C	760	UA36210	(17/01/2005)	UA74120	(17/10/2005)
		3,210,828				
Granted, European Patent number in bulletin (Germany)	D	766,070	DE1710263D	(18/03/1971)	DE602005000012D	(06/07/2006)
Reissue patents/certificates of addition or amendments	E	74,108	FR1983E	(01/01/1900)	FR96688E	(03/11/1978)
	E	4,770	MX2938E	(02/01/1980)	MX7734E	(27/06/1991)
	E	12,611	USRE892E	(07/02/1860)	USRE39157E	(04/07/2006)
Certificates of reexamined patents	F	76	FR6F	(08/01/1962)	FR357F	(27/07/1973)
	F	1,737	MD62F	(30/09/1994)	MD3064F	(31/05/2006)
	G	10,238	SG1082G	(25/02/1983)	SG37095G	(01/09/1995)
	H	2,122	USH1H	(03/12/1985)	USH2162H	(04/07/2006)
	L	62,924	IE10651L	(03/01/1930)	IE980730L	(10/02/1999)
	M	3,607	FR664M	(10/07/1960)	FR8495M	(27/07/1973)
	P	13,236	US3987P	(14/12/1976)	US16774P	(04/07/2006)
	R	664	LT2001R	(15/10/1992)	LT2664R	(25/04/1994)

Country	Code	Documents	Oldest		Most recent	
	S	87,863	USD65880S	(28/10/1924)	USD524510S	(04/07/2006)
Translations	T	324,684	AT1T	(15/11/1980)	AT324774T	(15/05/2006)
	T	102	BE2T	(07/12/1979)	BE114T	(15/06/1993)
	T	1	CN1084394T	(08/05/2002)	CN1084394T	(08/05/2002)
	T	408,339	DE2953699T	(18/06/1979)	DE602004000303T	(06/07/2006)
	T	74,346	DK380312T	(01/08/1990)	DK1592565T	(03/07/2006)
	T	203,352	ES266162T	(16/01/1983)	ES2255330T	(16/06/2006)
	T	28,147	GR88300001T	(18/10/1988)	GR2001300079T	(31/01/2002)
	T	346,009	JP54500001T	(26/07/1979)	JP2006514819T	(11/05/2006)
	T	1	NL8020180T	(03/08/1981)	NL8020180T	(03/08/1981)
	T	26,231	PT498721T	(28/04/2000)	PT1580446T	(30/11/2005)
	T	5,778	SI619406T	(31/10/1997)	SI1525420T	(28/02/2006)
	T	12,532	TR970231T	(21/03/1997)	TR200505223T	(21/04/2006)
Total T		1,429,522				
Utility Models	U	8,355	AT1U	(25/07/1994)	AT8361U	(15/06/2006)
First publication level	U	1,116	BG95859U	(18/01/1994)	BG109149U	(30/12/2005)
	U	75,934	BR5500123U	(05/08/1975)	BRMU8502403U	(13/06/2006)
	U	124,288	CN85200999U	(09/04/1985)	CN2126504U	(30/12/1992)
	U	6,709	CZ6492U	(04/09/1997)	CZ15984U	(14/12/2005)
	U	922,669	DE1289165U	(08/02/1931)	DE212004000045U	(08/06/2006)
	U	5,043	DK9200001U	(28/08/1992)	DK200600139U	(23/06/2006)
	U	132,239	ES245540U	(01/05/1959)	ES1062489U	(16/06/2006)
	U	6,871	FI1U	(03/02/1992)	FI7100U	(31/05/2006)
	U	1,214	GR88200217U	(19/01/1990)	GR2001200024U	(31/01/2002)
	U	3,001	HU1U	(28/08/1992)	HU3038U	(30/01/2006)
	U	3,721,483	JP46000001U	(13/09/1971)	JP2001000044U	(26/12/2001)
	U	14,734	KR7800006U	(10/01/1978)	KR9814477U	(05/06/1998)
	U	2,859	PH5097U	(02/12/1981)	PH8499U	(23/12/1997)
	U	11,767	PL100599U	(08/01/1996)	PL115371U	(19/09/2005)
	U	2,785	PT6095U	(23/06/1967)	PT10046U	(30/11/2005)
	U	6,805	TR960121U	(21/06/1996)	TR200601427U	(21/04/2006)
	U	52	VN1U	(24/09/1989)	VN167U	(25/10/1996)
	U	4,065	UA6429U	(17/01/2005)	UA10058U	(17/10/2005)
Total U		5,051,989				
Utility models	Y	764	BG51920Y	(30/09/1994)	BG781Y	(30/12/2005)
Second publication level	Y	639,932	CN2126505Y	(06/01/1993)	CN2766491Y	(22/03/2006)
	Y	203,455	ES120641Y	(01/01/1968)	ES1061638Y	(16/06/2006)
	Y	1,658	GR2000001Y	(16/12/1988)	GR2002393Y	(12/02/2002)
	Y	198,949	KR8000075Y	(28/01/1980)	KR246513Y	(31/10/2001)
	Y	154	MX8Y	(09/10/1992)	MX173Y	(16/05/1994)
	Y	8,502	PL53707Y	(31/01/1996)	PL62220Y	(28/04/2006)
	Y	1,491	PT6095Y	(13/02/1969)	PT9951Y	(31/05/2005)
	Y	113,084	TW378487Y	(01/01/2000)	TW269707Y	(01/07/2005)
Total Y		1,167,989				

Country	Code	Documents	Oldest		Most recent	
By country code						
AP		1,282	AP1	(03/07/1985)	AP1473	(30/09/2005)
AR		48,484	AR192208	(08/02/1973)	AR048850	(31/05/2006)
AT		96,818	AT288854	(12/08/1963)	AT501144	(15/06/2006)
AU		884,399	AU440426	(24/01/1928)	AU2006202386	(22/06/2006)
BA		113	BA94018	(28/12/1998)	BA98363	(14/09/2001)
BE		274,732	BE37789	(15/09/1875)	BE1016269	(06/06/2006)
BG		43,711	BG16598	(15/02/1973)	BG109181	(30/12/2005)
BR		313,242	BR7204242	(18/07/1974)	BRPI9912005	(13/06/2006)
CA		1,179,786	CA195677	(06/01/1920)	CA2530826	(17/06/2006)
CH		692,128	CH70	(09/01/1888)	CH695593	(30/06/2006)
CN		744,671	CN85100001	(10/09/1985)	CN1751550	(22/03/2006)
CS		42,842	CS8100212	(26/02/1982)	CS9103618	(28/12/1992)
CU		1,146	CU33525	(13/02/1974)	CU22307	(02/12/1994)
CY		2,511	CY1	(06/05/1921)	CY2514	(23/12/2005)
CZ		48,406	CZ8300867	(13/01/1993)	CZ20050602	(14/12/2005)
DE		1,741,221	DE1491381	(25/04/1964)	DE102006011226	(06/07/2006)
DK		98,547	DK69840	(22/08/1949)	DK200401907	(09/06/2006)
EA		223	EA960001	(01/07/1996)	EA980486	(29/10/1998)
EE		4,643	EE9400002	(15/12/1995)	EE200500030	(15/06/2006)
EG		10,213	EG9971	(31/01/1976)	EG23526	(29/03/2006)
EP		1,676,305	EP0000001	(20/12/1978)	EP1677588	(05/07/2006)
ES		282,569	ES280605	(16/12/1947)	ES2255466	(16/06/2006)
FI		105,642	FI18668	(09/03/1933)	FI20055463	(31/05/2006)
FR		1,966,638	FR318205	(09/10/1902)	FR2880512	(07/07/2006)
GB		2,216,512	GB185900680	(05/08/1859)	GB2421882	(05/07/2006)
GR		35,898	GR57843	(04/07/1977)	GR2005100269	(31/12/2005)
HK		52,380	HK9376	(05/03/1976)	HK1076134	(09/06/2006)
HR		8,493	HR920170	(11/08/1994)	HR20060152	(30/06/2006)
HU		73,550	HU2984	(02/03/1970)	HU0501031	(30/01/2006)
ID		14,348	ID20298	(26/11/1988)	ID30600	(03/01/2002)
IE		15,038	IE891581	(02/01/1991)	IE20050606	(22/03/2006)
IL		64,355	IL20106	(25/01/1968)	IL168574	(18/12/2005)
IN		54,283	IN84678	(02/08/1975)	IN193030	(19/06/2004)
IT		77,452	IT354856	(11/12/1937)	ITRM20030511	(02/02/2004)
JP		9,153,235	JP46026238	(29/07/1971)	JP2006121880	(11/05/2006)
KE		1,336	KE2536	(11/07/1975)	KE3892	(01/09/1989)
KR		281,986	KR7800099	(08/01/1978)	KR2005028360	(23/03/2005)
LT		2,500	LT99	(25/03/1994)	LT2005063	(27/12/2005)
LU		49,784	LU27693	(02/06/1945)	LU91206	(30/05/2006)
LV		3,655	LV5001	(10/06/1993)	LV12838	(20/05/2002)
MC		2,570	MC1	(13/12/1957)	MC200083	(07/12/2005)
MD		952	MD930016	(30/09/1994)	MD20040196	(31/05/2006)
MN		233	MN57	(20/11/1972)	MN465	(15/06/1989)
MT		545	MT542	(25/06/1968)	MT1078	(08/05/1992)
MW		732	MW3671	(09/05/1973)	MW13093	(12/10/1994)
MX		83,343	MX143111	(14/10/1980)	MXPA99008569	(10/04/2006)
MY		9,618	MY153	(31/12/1953)	MY109280	(31/12/1996)
NL		316,887	NL190149	(17/02/1924)	NL1030316	(18/04/2006)
NO		148,421	NO71432	(23/12/1946)	NO20055263	(12/05/2006)

Country	Code	Documents	Oldest		Most recent	
NZ		85,556	NZ171180	(06/03/1978)	NZ546316	(30/06/2006)
OA		11,760	OA1	(15/01/1966)	OA11847	(23/08/2005)
PH		19,956	PH9199	(03/07/1975)	PH31699	(18/01/1999)
PL		169,703	PL68374	(28/02/1973)	PL373762	(05/09/2005)
PT		38,140	PT56642	(01/11/1971)	PT103313	(30/11/2005)
RO		38,589	RO1	(08/01/1907)	RO102718	(22/03/1993)
RUC		272,924	RU2000001	(15/02/1993)	RU2274965	(20/04/2006)
SE		152,321	SE122183	(13/07/1948)	SE0501863	(27/06/2006)
SG		27,341	SG39090	(17/08/1990)	SG118232	(27/06/2006)
SI		5,731	SI9100001	(27/11/1992)	SI21869	(28/02/2006)
SK		20,875	SK3893	(07/07/1993)	SK51112005	(01/06/2006)
SU		1,162,205	SU18207	(30/09/1930)	SU1829367	(20/04/2006)
TJ		164	TJ96000415	(14/11/1998)	TJ20040823	(06/01/2006)
TR		17,145	TR16570	(01/01/1973)	TR200503829	(21/04/2006)
TWB		115,969	TW211035B	(11/08/1993)	TW235029B	(21/06/2005)
US		5,986,161	US11713	(19/09/1854)	US2006143744	(29/06/2006)
VN		112	VN1	(06/07/1984)	VN344	(25/04/1997)
WO		1,140,656	WO7800001	(19/10/1978)	WO2006072117	(06/07/2006)
ZA		206,516	ZA6901534	(27/01/1971)	ZA200501578	(09/12/2005)
DZ		16	DZ2403	(04/01/2005)	DZ2783	(08/10/2005)
GC		77	GC0000093	(29/06/2005)	GC0000170	(29/06/2005)
MA		797	MA27120	(03/01/2005)	MA27916	(02/05/2006)
UA		290	UA72070	(17/01/2005)	UA74127	(17/10/2005)
A,B or C		32,401,382				

Table IX. Worldwide Database - Detailed Coverage (2006 data)

Source: European Patent Office esp@cenet database

http://ep.espacenet.com/help?locale=en_EP&method=handleHelpTopic&topic=detailedcoverage.

The following table gives an overview of the contents of the worldwide database.

Note: XP documents are excluded from the 2006 data and encompassed 4.9 million documents in 2005

Explanations of the table fields

Country: country code.

Code: kind code.

Documents: Number of documents of that kind code available in the worldwide database.

Oldest: oldest document of that type having a publication date available.

This does not necessarily correspond to the oldest document in the database as usually this one does not contain a populated publication date.

Source: European Patent Office esp@cenet database

Most recent: the most recent document available when the monthly screening has taken place.

Note: when no kind code is specified, it means A, B or C documents

Table is current as of 13 July 2006

Country	Code	Documents	Oldest		Most recent	
AP		1,282	AP1	(03/07/1985)	AP1473	(30/09/2005)
AR		48,484	AR192208	(08/02/1973)	AR048850	(31/05/2006)
AT		96,818	AT288854	(12/08/1963)	AT501144	(15/06/2006)
	B	409,950	AT124B	(25/08/1899)	AT501082B	(15/06/2006)
	T	324,684	AT1T	(15/11/1980)	AT324774T	(15/05/2006)
	U	8,355	AT1U	(25/07/1994)	AT8361U	(15/06/2006)
AU		884,399	AU440426	(24/01/1928)	AU2006202386	(22/06/2006)
	B	317,987	AU113576B	(30/07/1941)	AU2004240260B	(22/06/2006)
BA		113	BA94018	(28/12/1998)	BA98363	(14/09/2001)
	B	102	BA96066B	(06/03/1998)	BA98222B	(02/08/1999)
BE		274,732	BE37789	(15/09/1875)	BE1016269	(06/06/2006)
	T	102	BE2T	(07/12/1979)	BE114T	(15/06/1993)
BG		43,711	BG16598	(15/02/1973)	BG109181	(30/12/2005)
	B	4,685	BG60191	(30/12/1993)	BG64720	(30/12/2005)
	U	1,116	BG95859U	(18/01/1994)	BG109149U	(30/12/2005)
	Y	764	BG51920Y	(30/09/1994)	BG781Y	(30/12/2005)
BR		313,242	BR7204242	(18/07/1974)	BRP19912005	(13/06/2006)
	U	75,934	BR5500123U	(05/08/1975)	BRMU8502403U	(13/06/2006)
CA		1,179,786	CA195677	(06/01/1920)	CA2530826	(17/06/2006)
	B	370	CA924561	(17/04/1973)	CA1340121	(10/11/1998)
	C	192,351	CA1200490	(11/02/1986)	CA2486778	(13/06/2006)
CH		692,128	CH70	(09/01/1888)	CH695593	(30/06/2006)
	B	2,234	CH547897	(11/04/1974)	CH690157	(15/11/2000)
CN		744,671	CN85100001	(10/09/1985)	CN1751550	(22/03/2006)
	B	19,497	CN85100001B	(10/09/1985)	CN1019872B	(30/12/1992)
	C	227,103	CN1019873C	(06/01/1993)	CN1247064C	(22/03/2006)
	T	1	CN1084394T	(08/05/2002)	CN1084394T	(08/05/2002)
	U	124,288	CN85200999U	(09/04/1985)	CN2126504U	(30/12/1992)
	Y	639,932	CN2126505Y	(06/01/1993)	CN2766491Y	(22/03/2006)
CS		42,842	CS8100212	(26/02/1982)	CS9103618	(28/12/1992)

Country	Code	Documents	Oldest		Most recent	
	B	129,593	CS110525	(15/04/1964)	CS292695	(12/11/2003)
CU		1,146	CU33525	(13/02/1974)	CU22307	(02/12/1994)
	B	1,104	CU20602	(13/02/1974)	CU22424	(11/12/1995)
CY		2,511	CY1	(06/05/1921)	CY2514	(23/12/2005)
CZ		48,406	CZ8300867	(13/01/1993)	CZ20050602	(14/12/2005)
	B	18,368	CZ277680	(17/03/1993)	CZ296057	(14/12/2005)
	U	6,709	CZ6492U	(04/09/1997)	CZ15984U	(14/12/2005)
DE		1,741,221	DE1491381	(25/04/1964)	DE102006011226	(06/07/2006)
	B	568,160	DEST2616	(19/07/1951)	DE102005024063	(06/07/2006)
	C	1,160,245	DE3543	(09/01/1879)	DE19903836	(06/07/2006)
	D	766,070	DE1710263D	(18/03/1971)	DE602005000012D	(06/07/2006)
	T	408,339	DE2953699T	(18/06/1979)	DE602004000303T	(06/07/2006)
	U	922,669	DE1289165U	(08/02/1931)	DE212004000045U	(08/06/2006)
DK		98,547	DK69840	(22/08/1949)	DK200401907	(09/06/2006)
	B	65,110	DK6487B	(11/04/1904)	DK176107B	(26/06/2006)
	C	146,498	DK1C	(25/03/1895)	DK166105C	(28/06/2004)
	T	74,346	DK380312T	(01/08/1990)	DK1592565T	(03/07/2006)
	U	5,043	DK9200001U	(28/08/1992)	DK200600139U	(23/06/2006)
EA		223	EA960001	(01/07/1996)	EA980486	(29/10/1998)
	B	6,519	EA7	(01/07/1996)	EA6519	(29/12/2005)
EE		4,643	EE9400002	(15/12/1995)	EE200500030	(15/06/2006)
	B	1,723	EE2977	(15/02/1996)	EE4654	(15/06/2006)
EG		10,213	EG9971	(31/01/1976)	EG23526	(29/03/2006)
EP		1,676,305	EP0000001	(20/12/1978)	EP1677588	(05/07/2006)
	B	806,540	EP0000010	(09/01/1980)	EP1625185	(05/07/2006)
ES		282,569	ES280605	(16/12/1947)	ES2255466	(16/06/2006)
	B	22,456	ES2032239	(16/08/1993)	ES2244319	(16/06/2006)
	T	203,352	ES266162T	(16/01/1983)	ES2255330T	(16/06/2006)
	U	132,239	ES245540U	(01/05/1959)	ES1062489U	(16/06/2006)
	Y	203,455	ES120641Y	(01/01/1968)	ES1061638Y	(16/06/2006)
FI		105,642	FI18668	(09/03/1933)	FI20055463	(31/05/2006)
	B	76,073	FI40001B	(31/05/1968)	FI117080B	(31/05/2006)
	C	49,600	FI37062C	(31/08/1968)	FI98384C	(07/07/2005)
	U	6,871	FI1U	(03/02/1992)	FI7100U	(31/05/2006)
FR		1,966,638	FR318205	(09/10/1902)	FR2880512	(07/07/2006)
	B	565,819	FR2024873	(03/11/1972)	FR2873597	(07/07/2006)
	E	74,108	FR1983E	(01/01/1900)	FR96688E	(03/11/1978)
	F	76	FR6F	(08/01/1962)	FR357F	(27/07/1973)
	M	3,607	FR664M	(10/07/1960)	FR8495M	(27/07/1973)
GB		2,216,512	GB185900680	(05/08/1859)	GB2421882	(05/07/2006)
	B	295,522	GB2000004	(06/01/1982)	GB2419376	(05/07/2006)
GR		35,898	GR57843	(04/07/1977)	GR2005100269	(31/12/2005)
	B	4,764	GR1000001	(31/10/1989)	GR1005089	(28/12/2005)
	T	28,147	GR88300001T	(18/10/1988)	GR2001300079T	(31/01/2002)
	U	1,214	GR88200217U	(19/01/1990)	GR2001200024U	(31/01/2002)
	Y	1,658	GR2000001Y	(16/12/1988)	GR2002393Y	(12/02/2002)
HK		52,380	HK9376	(05/03/1976)	HK1076134	(09/06/2006)
HR		8,493	HR920170	(11/08/1994)	HR20060152	(30/06/2006)
	B	2,596	HR920188	(31/12/1995)	HR20040291	(30/06/2006)
HU		73,550	HU2984	(02/03/1970)	HU0501031	(30/01/2006)

Country	Code	Documents	Oldest		Most recent	
	B	62,121	HU162185	(29/01/1973)	HU224764	(30/01/2006)
	U	3,001	HU1U	(28/08/1992)	HU3038U	(30/01/2006)
ID		14,348	ID20298	(26/11/1988)	ID30600	(03/01/2002)
	B	238	ID837	(29/07/1992)	ID1055	(30/10/1996)
IE		15,038	IE891581	(02/01/1991)	IE20050606	(22/03/2006)
	B	37,829	IE17383	(09/01/1948)	IE83868	(20/04/2005)
	L	62,924	IE10651L	(03/01/1930)	IE980730L	(10/02/1999)
IL		64,355	IL20106	(25/01/1968)	IL168574	(18/12/2005)
IN		54,283	IN84678	(02/08/1975)	IN193030	(19/06/2004)
IT		77,452	IT354856	(11/12/1937)	ITRM20030511	(02/02/2004)
JP		9,153,235	JP46026238	(29/07/1971)	JP2006121880	(11/05/2006)
	B	1,486,859	JP36008730B	(26/06/1961)	JP10747284B	(06/05/1998)
	C	1,198,487	JP746395C	(23/10/1974)	JP2119385C	(06/12/1996)
	T	346,009	JP54500001T	(26/07/1979)	JP2006514819T	(11/05/2006)
	U	3,721,483	JP46000001U	(13/09/1971)	JP2001000044U	(26/12/2001)
KE		1,336	KE2536	(11/07/1975)	KE3892	(01/09/1989)
KR		281,986	KR7800099	(08/01/1978)	KR2005028360	(23/03/2005)
	B	261,391	KR8000166	(10/03/1980)	KR447719	(06/04/2005)
	U	14,734	KR7800006U	(10/01/1978)	KR9814477U	(05/06/1998)
	Y	198,949	KR8000075Y	(28/01/1980)	KR246513Y	(31/10/2001)
LT		2,500	LT99	(25/03/1994)	LT2005063	(27/12/2005)
	B	2,303	LT3001	(25/08/1994)	LT5303	(27/12/2005)
	R	664	LT2001R	(15/10/1992)	LT2664R	(25/04/1994)
LU		49,784	LU27693	(02/06/1945)	LU91206	(30/05/2006)
LV		3,655	LV5001	(10/06/1993)	LV12838	(20/05/2002)
	B	3,238	LV10001	(20/10/1994)	LV13372	(20/12/2005)
MC		2,570	MC1	(13/12/1957)	MC200083	(07/12/2005)
MD		952	MD930016	(30/09/1994)	MD20040196	(31/05/2006)
	B	1,049	MD1	(31/01/1994)	MD3063	(31/05/2006)
	F	1,737	MD62F	(30/09/1994)	MD3064F	(31/05/2006)
MN		233	MN57	(20/11/1972)	MN465	(15/06/1989)
MT		545	MT542	(25/06/1968)	MT1078	(08/05/1992)
MW		732	MW3671	(09/05/1973)	MW13093	(12/10/1994)
MX		83,343	MX143111	(14/10/1980)	MXPA99008569	(10/04/2006)
	B	11,681	MX165914	(09/12/1982)	MX226742	(16/03/2005)
	E	4,770	MX2938E	(02/01/1980)	MX7734E	(27/06/1991)
	Y	154	MX8Y	(09/10/1992)	MX173Y	(16/05/1994)
MY		9,618	MY153	(31/12/1953)	MY109280	(31/12/1996)
NL		316,887	NL190149	(17/02/1924)	NL1030316	(18/04/2006)
	B	51,528	NL24297B	(15/12/1924)	NL195034B	(01/08/2003)
	C	59,330	NL90C	(02/01/1914)	NL1028882C	(18/04/2006)
	T	1	NL8020180T	(03/08/1981)	NL8020180T	(03/08/1981)
NO		148,421	NO71432	(23/12/1946)	NO20055263	(12/05/2006)
	B	87,127	NO155347B	(08/12/1966)	NO321713B	(26/06/2006)
	C	49,845	NO173699C	(19/01/1909)	NO174814C	(15/01/2004)
NZ		85,556	NZ171180	(06/03/1978)	NZ546316	(30/06/2006)
OA		11,760	OA1	(15/01/1966)	OA11847	(23/08/2005)
PH		19,956	PH9199	(03/07/1975)	PH31699	(18/01/1999)
	U	2,859	PH5097U	(02/12/1981)	PH8499U	(23/12/1997)
PL		169,703	PL68374	(28/02/1973)	PL373762	(05/09/2005)

Country	Code	Documents	Oldest		Most recent	
	B	111,678	PL45687B	(13/03/1962)	PL191342B	(28/04/2006)
	U	11,767	PL100599U	(08/01/1996)	PL115371U	(19/09/2005)
	Y	8,502	PL53707Y	(31/01/1996)	PL62220Y	(28/04/2006)
PT		38,140	PT56642	(01/11/1971)	PT103313	(30/11/2005)
	B	26,143	PT66476	(12/03/1976)	PT102929	(30/09/2005)
	T	26,231	PT498721T	(28/04/2000)	PT1580446T	(30/11/2005)
	U	2,785	PT6095U	(23/06/1967)	PT10046U	(30/11/2005)
	Y	1,491	PT6095Y	(13/02/1969)	PT9951Y	(31/05/2005)
RO		38,589	RO1	(08/01/1907)	RO102718	(22/03/1993)
	B	18,404	RO102338	(20/08/1991)	RO120682	(30/05/2006)
RUC		272,924	RU2000001	(15/02/1993)	RU2274965	(20/04/2006)
SE		152,321	SE122183	(13/07/1948)	SE0501863	(27/06/2006)
	B	170,658	SE205247	(07/06/1966)	SE470607	(17/04/2000)
	C	126,609	SE3819	(30/09/1892)	SE527871	(27/06/2006)
SG		27,341	SG39090	(17/08/1990)	SG118232	(27/06/2006)
	G	10,238	SG1082G	(25/02/1983)	SG37095G	(01/09/1995)
SI		5,731	SI9100001	(27/11/1992)	SI21869	(28/02/2006)
	B	572	SI8111622	(30/06/1998)	SI9720005	(28/02/2006)
	T	5,778	SI619406T	(31/10/1997)	SI1525420T	(28/02/2006)
SK		20,875	SK3893	(07/07/1993)	SK51112005	(01/06/2006)
	B	7,441	SK277680B	(08/12/1993)	SK285127B	(01/06/2006)
SU		1,162,205	SU18207	(30/09/1930)	SU1829367	(20/04/2006)
TJ		164	TJ96000415	(14/11/1998)	TJ20040823	(06/01/2006)
TR		17,145	TR16570	(01/01/1973)	TR200503829	(21/04/2006)
	T	12,532	TR970231T	(21/03/1997)	TR200505223T	(21/04/2006)
	U	6,805	TR960121U	(21/06/1996)	TR200601427U	(21/04/2006)
TWB		115,969	TW211035B	(11/08/1993)	TW235029B	(21/06/2005)
	Y	113,084	TW378487Y	(01/01/2000)	TW269707Y	(01/07/2005)
US		5,986,161	US11713	(19/09/1854)	US2006143744	(29/06/2006)
	B	905,282	US3367320	(29/12/1981)	US7073200	(04/07/2006)
	E	12,611	USRE892E	(07/02/1860)	USRE39157E	(04/07/2006)
	H	2,122	USH1H	(03/12/1985)	USH2162H	(04/07/2006)
	P	13,236	US3987P	(14/12/1976)	US16774P	(04/07/2006)
	S	87,863	USD65880S	(28/10/1924)	USD524510S	(04/07/2006)
VN		112	VN1	(06/07/1984)	VN344	(25/04/1997)
	U	52	VN1U	(24/09/1989)	VN167U	(25/10/1996)
WO		1,140,656	WO7800001	(19/10/1978)	WO2006072117	(06/07/2006)
	B	8,329	WO9817166	(01/10/1998)	WO2006056260	(06/07/2006)
ZA		206,516	ZA6901534	(27/01/1971)	ZA200501578	(09/12/2005)
DZ		16	DZ2403	(04/01/2005)	DZ2783	(08/10/2005)
GC		77	GC0000093	(29/06/2005)	GC0000170	(29/06/2005)
MA		797	MA27120	(03/01/2005)	MA27916	(02/05/2006)
UA		290	UA72070	(17/01/2005)	UA74127	(17/10/2005)
	C	760	UA36210	(17/01/2005)	UA74120	(17/10/2005)
	U	4,065	UA6429U	(17/01/2005)	UA10058U	(17/10/2005)
		50,874,779				

Table X. Worldwide Database - Detailed Coverage (2005 data)

Source: European Patent Office esp@cenet database

The following table gives an overview of the contents of the worldwide database.

Explanations of the table fields

Country: country code.

Documents: Number of documents of that kind code available in the worldwide database.

% TI: percentage of documents of that kind having a title available.

% AB: percentage of documents of that kind having an abstract available.

% PA: percentage of documents of that kind having a patent assignee available.

% EC: percentage of documents of that kind having a European Classification symbol available.

% IC: percentage of documents of that kind having an International Patent Classification available.

% PD: percentage of documents of that kind having a Publication date available.

Oldest: oldest document of that type having a publication date available. This does not necessarily correspond to the oldest document in the database as usually this one does not contain a populated publication date field.

Most recent: the most recent document available when the monthly screening has taken place.

Note: when no kind code is specified, it means A, B or C documents

Country	Code	Documents	% TI	% AB	% PA	% EC	% IC	% PD	Oldest		Most recent	
AP		1,216	100	0	100	97.3	99.5	100	AP1	(03/07/1985)	AP1234	(28/12/2003)
AR		48,035	15.1	0	99.8	0	79.9	100	AR192208	(08/02/1973)	AR248466	(18/08/1995)
AT		498,448	1.7	1.7	99.3	8	51.3	99.5	AT124B	(25/08/1899)	AT93002001	(15/12/2004)
AU		1,046,420	95.5	0	93.1	5.2	93.9	99.8	AU440426	(24/01/1928)	AU778326	(25/11/2004)
BA		215	0	0	100	0	100	100	BA96066B	(06/03/1998)	BA98363	(14/09/2001)
BE		537,188	1	1	25.5	97.5	31.8	50.9	BE37789	(15/09/1875)	BE1015279	(07/12/2004)
BG		47,392	81.5	17.7	83.2	0	99.3	100	BG16598	(15/02/1973)	BG64329	(30/09/2004)
BR		286,892	0	0	99.7	0.1	99.3	100	BR7204242	(18/07/1974)	BR9914915	(07/12/2004)
CA		897,662	99.5	81.8	98.8	5.6	87.3	99.7	CA389625	(25/06/1940)	CA2476712	(17/11/2004)
CH		693,046	4.9	3.6	99.7	78.8	43.9	99.9	CH104	(11/01/1888)	CH694419	(31/12/2004)
CN		418,697	97.6	44	94.8	1	99.9	100	CN85100006	(10/09/1985)	CN1489434	(14/04/2004)

Country	Code	Documents	% TI	% AB	% PA	% EC	% IC	% PD	Oldest		Most recent	
CS		173,992	81.8	0.6	82	0.2	98.9	99.1	CS148051	(22/02/1973)	CS292695	(12/11/2003)
CU		2,250	88.5	0	86.4	0	98	100	CU20602	(13/02/1974)	CU22424	(11/12/1995)
CY		2,340	100	0	100	0	81.3	100	CY1	(06/05/1921)	CY2343	(06/02/2004)
CZ		63,970	98.9	16.3	100	0.1	100	100	CZ8503053	(13/01/1993)	CZ294312	(10/11/2004)
DD		226,812	0	0	59.7	1.5	73.5	73.9	DD933	(10/06/1952)	DD302035	(22/04/1999)
DE		3,008,936	16.7	18.7	86.3	98.3	53.8	88.5	DE3543	(09/01/1879)	DE102004038902	(30/12/2004)
DK		242,895	2	2	97.9	0.3	62.8	97.9	DK1C	(25/03/1895)	DK175549B	(06/12/2004)
EA		5,141	93.7	81.6	99.9	0	100	100	EA17	(01/07/1996)	EA4918	(26/08/2004)
EE		5,963	0	0	99.4	0	99.9	100	EE9400002	(15/12/1995)	EE4386	(15/10/2004)
EG		9,901	39.6	0	99.9	0	97.7	100	EG10012	(31/01/1976)	EG23211	(31/07/2004)
EP		1,491,567	100	54.6	100	67.5	99.9	100	EP0000001	(20/12/1978)	EPI492398	(29/12/2004)
ES		230,746	10	10	99.7	0.2	99.5	100	ES234239	(16/01/1968)	ES2219200	(16/11/2004)
FI		128,965	4.9	4.9	99.8	0.2	96.8	99.9	FI18668	(09/03/1933)	FI114831B	(31/12/2004)
FR		2,124,523	7.4	8.8	67.8	99	40.1	91.5	FR318205	(09/10/1902)	FR2856882	(31/12/2004)
GB		2,221,204	90.9	85	90.9	88.6	31.7	98.2	GB185900680	(05/08/1859)	GB2403388	(29/12/2004)
GR		40,104	53.5	4.7	99.4	0.1	21.8	100	GR57843	(04/07/1977)	GR2003100306	(24/11/2004)
HK		41,656	100	0	100	0	99.9	100	HK10076	(05/03/1976)	HK1062127	(17/09/2004)
HR		6,928	99.8	0	94	0	100	100	HR920117	(31/08/1994)	HR20040762	(31/10/2004)
HU		132,949	93.5	1.1	88.8	0.1	99.7	100	HU2984	(02/03/1970)	HU9802622	(29/11/2004)
ID		14,586	0	0	100	0	89.9	100	ID20298	(26/11/1988)	ID30600	(03/01/2002)
IE		52,419	100	1.3	100	0.1	99.7	100	IE17383	(09/01/1948)	IE20040698	(01/12/2004)
IL		62,004	100	0	99.9	0.1	99.2	100	IL20106	(25/01/1968)	IL156464	(20/06/2004)
IN		50,329	99.8	0	99.8	0.2	99.4	99.9	IN100672	(02/08/1975)	IN188763	(02/11/2003)
IT		459,765	6.2	6.2	97.6	0.6	82.9	99.2	IT309647	(12/07/1933)	ITRM20030511	(02/02/2004)
JP		8,830,783	91.4	0	92	10.7	96.4	100	JP78600C	(26/10/1928)	JP2004337000	(25/11/2004)
KE		1,336	0	0	100	0	98.1	100	KE2535	(18/07/1975)	KE3892	(01/09/1989)
KR		543,218	99.6	13.9	100	0.2	99.6	100	KR7800099	(08/01/1978)	KR2003097433	(31/12/2003)
LT		2,479	100	51.2	100	0.2	100	100	LT204	(25/03/1994)	LT2004074	(27/12/2004)
LU		60,222	0.4	0.1	17.8	97.6	34.2	82.5	LU27693	(02/06/1945)	LU91104	(29/11/2004)
LV		3,730	99.9	37	100	0.4	100	100	LV5001	(10/06/1993)	LV12932	(20/12/2002)

Country	Code	Documents	% TI	% AB	% PA	% EC	% IC	% PD	Oldest		Most recent	
MC		2,563	0	0	100	31.8	97.3	100	MC1	(13/12/1957)	MC200075	(13/10/2004)
MD		1,726	76.7	44.2	99.6	0	99.9	100	MD1	(31/01/1994)	MD2583	(31/10/2004)
MN		233	0	0	82.8	0	97.9	100	MNS7	(20/11/1972)	MN465	(15/06/1989)
MT		545	0	0	99.8	0	0	100	MT542	(25/06/1968)	MT1078	(08/05/1992)
MW		732	100	0	100	0	96	100	MW3671	(09/05/1973)	MW4993	(12/10/1994)
MX		58,685	16.7	8.6	99.9	0	99.1	100	MX143111	(14/10/1980)	MXP03009311	(12/02/2004)
MY		9,618	0	0	68.6	0	94.6	100	MY10153	(31/12/1953)	MY109280	(31/12/1996)
NL		523,259	2.2	2.2	36.3	94.6	53.7	64.7	NL90C	(02/01/1914)	NL1026810	(18/10/2004)
NO		163,800	0	0	99.7	0.1	94.3	99.7	NO57368C	(21/12/1936)	NO316490B	(26/01/2004)
NZ		79,889	99.8	26.1	99.2	0.1	87.2	99.8	NZ171180	(06/03/1978)	NZ535104	(26/11/2004)
OA		11,549	19.4	0	99.9	86.3	99.9	100	OAI	(15/01/1966)	OAI1628	(10/09/2004)
PH		19,305	1.9	0	98.5	0	98	100	PH9199	(03/07/1975)	PH30798	(17/10/1998)
PL		205,743	83.3	1.7	75.7	0.1	99.8	100	PL45687B	(13/03/1962)	PL187911B	(29/10/2004)
PT		38,011	3.4	3.4	99.8	0.1	96.4	100	PT56642	(01/11/1971)	PT103125	(30/09/2004)
RO		55,815	86.8	10.4	82.7	0.6	97.9	100	ROI	(08/01/1907)	ROI19498	(30/11/2004)
RU		235,480	100	53.2	92.3	0.7	99.8	100	RU2000001	(15/02/1993)	RU2237391	(27/09/2004)
SE		524,466	2.9	2.9	65.6	0.4	64.7	65.9	SE3819	(30/09/1892)	SE525203	(21/12/2004)
SG		22,724	100	0	100	0.2	99.8	100	SG39090	(17/08/1990)	SG106166	(30/09/2004)
SI		5,350	100	16.9	96.1	0	100	100	SI9100001	(27/11/1992)	SI21488	(31/10/2004)
SK		24,044	99.9	22.8	90.3	0.1	100	100	SK10093	(07/07/1993)	SK992004	(03/11/2004)
SU		1,159,969	84.7	0	84.6	2.8	76.1	99.9	SU58099	(31/10/1940)	SU959382	(10/03/1999)
TJ		278	92.8	0	100	0	100	100	TJ186	(14/11/1998)	TJ366	(28/07/2003)
TR		16,801	0	3.7	99.8	0	79.4	100	TR16570	(01/01/1973)	TR200400720	(22/11/2004)
TT		3	100	0	100	0	0	100	TT4894	(16/06/1994)	TT8295	(08/12/1995)
TW		92,935	100	95.2	100	0.1	100	100	TW250053	(30/08/1983)	TW582193	(01/04/2004)
US		7,568,646	81.6	45.5	62	79.5	54.7	82.1	US339657	(13/04/1836)	US6836898	(28/12/2004)
UZ		1	0	0	0	0	100	100	UZ4665	(30/12/1997)	UZ4665	(30/12/1997)
VN		112	42.9	0	100	0	99.1	100	VN1	(06/07/1984)	VN344	(25/04/1997)
WO		938,578	100	83.8	100	93.9	99.8	100	WO7800001	(19/10/1978)	WO2004110127	(16/12/2004)
YU		40,684	0	0	99.8	0	94.7	100	YU104567	(28/02/1973)	YU45560B	(28/05/1992)

Country	Code	Documents	% TI	% AB	% PA	% EC	% IC	% PD	Oldest		Most recent	
ZA		197,948	99.8	0	98.5	0.1	97.4	100	ZA6901534	(27/01/1971)	ZA200305986	(01/07/2004)
ZM		2,730	99.7	0	99.7	0	94.1	100	ZM19867	(16/10/1968)	ZM6592	(25/05/1994)
ZW		2,639	99.9	0	100	0	98.7	100	ZW13380	(10/09/1980)	ZW7493	(11/01/1995)
MA		7,380	0	0	100	0	94.9	99.9	MA17756	(06/07/1977)	MA25935	(01/10/2003)
NLI		588	0	0	100	0	0	100	NL930001I	(16/02/1993)	NL300157I	(01/10/2004)
CHE		3	0	0	0	100	0	0	0	(/0)	0	(/0)
XP		4,932,805	0	0	0	18.3	0	0	0	(/0)	0	(/0)

Table XI. Worldwide Database - Detailed Coverage (2004 data)

Source: European Patent Office esp@cenet database

Note: Taken from hard copy.

The following table gives an overview of the contents of the worldwide database

Explanations of the table fields

Country: country code.

Code: kind code.

Documents: Number of documents of that kind code available in the worldwide database.

Oldest: oldest document of that type having a publication date available. This does not necessarily correspond to the oldest document in the database as usually this one does not contain a populated publication date field.

Most recent: the most recent document available when the monthly screening has taken place.

Note: when no kind code is specified, it means A, B or C documents

http://ep.espacenet.com/help?topic=index&locale=en_EP&method=handleHelpTopic.

Table is current as of 2 August 2004

Country	2,004
AP	1,165
APD	3
APU	1
AR	40,755
AT	497,623
AT	271,247
ATT	7,026
AU	1,042,670
AUD	
BA	215
BAD	1
BE	536,719
BET	102
BG	47,043
BGU	966
BGY	679
BR	278,133
BRU	68,978
BRY	1
CA	833,947
CAE	54
CAF	5
CH	692,770
CHD	6,919
CHH	8
CN	416,294
CNT	73,982
CNU	599,219
CNY	7,834
CS	173,992
CU	2,250
CY	2,302
CZ	62,931

Country	2,004
CZU	5,100
DD	226,810
DDT	1
DDU	5,634
DE	2,990,574
DED	656,420
DEI	252
DET	333,739
DK	241,104
DKL	1
DKT	61,226
DKU	4,566
DKY	85
EA	4,740
EE	5,811
EG	9,829
EP	1,440,769
ES	230,082
EST	165,065
ESU	127,152
ESY	197,345
FA	1
FI	128,358
FIU	6,126
FR	2,117,810
FRE	94,192
FRF	329
FRM	8,091
GB	2,215,342
GR	39,964
GRT	28,128
GRU	1,216
GRY	1,658
HK	40,009
HR	6,634
HU	131,960
HUU	2,737
ID	14,586
IDS	53
IE	52,240
IEL	62,936
IL	61,412
IN	50,329
INE	3
IT	459,758
ITT	2
ITU	35,435
ITY	24,928
ITZ	20,020
JP	8,661,837
JPB1	979
JPB2	17,800

Country	2,004
JPT	271,623
JPU	3,712,670
JPY	98,756
JPZ	6
KE	1,336
KED	16
KR	543,217
KRU	14,737
KRY	198,943
LT	2,440
LTR	664
LU	60,191
LUD	15
LV	3,730
MC	2,560
MCE	97
MD	1,652
MDE	89
MDF	1,344
MDG	1
MDU	21
MDW	77
MDY	16
MN	233
MT	545
MW	732
MX	48,858
MXE	4,770
MXY	154
MY	9,618
MY-U	1
NC	46
NL	521,572
NLT	1,555
NO	163,800
NZ	78,029
OA	11,445
OAE	153
PH	18,947
PHU	2,859
PL	202,263
PLU	10,907
PLY	6,832
PT	37,961
PTD	2
PTT	17,928
PTU	2,663
PTY	1,432
RO	55,589
RUC	227,862
SE	522,740
SEE	26

Country	2,004
SEL	2
SG	21,980
SGG	10,238
SI	5,258
SIT	3,976
SK	23,768
SU	1,159,629
SUT	8
TH	3
TJ	278
TJR	30
TR	16,668
TRT	11,100
TRU	3,593
TRY	1
TT	3
TW	87,967
TWY	75,699
TWB	87,967
US	7,384,459
USE	23,313
USF	46
USH	2,079
USI	4,170
USP	12,092
USR	1
USS	56,984
UZ	1
VN	112
VNU	52
WO	892,902
YU	40,684
YUD	1
ZA	194,826
ZAD	197
ZM	2,730
ZMD	2
ZW	2,639
MA	7,380
NLI	565
XP	4,675,154
	48,329,292

Table XII. Country codes

Source: http://ep.espacenet.com/help?locale=en_EP&method=handleHelpTopic&topic=countrycodes.

Country codes are two letters indicating the country or organisation where the patent application was filed or granted (e.g. GB for Great Britain).

The list of countries covered by our worldwide database is shown in this table:

Code	Name
AP	African Regional Industrial Property Organization
AR	Argentina
AT	Austria
AU	Australia
BA	Bosnia and Herzegovina
BE	Belgium
BG	Bulgaria
BR	Brazil
CA	Canada
CH	Switzerland
CN	China
CS	Czechoslovakia (up to 1993)
CU	Cuba
CY	Cyprus
CZ	Czech Republic
DD	Germany, excluding the territory that, prior to 3 October 1990, constituted the Federal Republic of Germany
DE	Germany
DK	Denmark
DZ	Algeria
EA	Eurasian Patent Organisation
EE	Estonia
EG	Egypt
EP	European Patent Office
ES	Spain
FI	Finland
FR	France
GB	United Kingdom
GR	Greece
HK	Hong Kong
HR	Croatia
HU	Hungary
IE	Ireland
IL	Israel
IN	India
IT	Italy
JP	Japan
KE	Kenya
KR	Republic of Korea
LT	Lithuania
LU	Luxembourg
LV	Latvia

Code	Name
MC	Monaco
MD	Republic of Moldova
MN	Mongolia
MT	Malta
MW	Malawi
MX	Mexico
MY	Malaysia
NC	New Caledonia
NL	Netherlands
NO	Norway
NZ	New Zealand
OA	African Intellectual Property Organization
PH	Philippines
PL	Poland
PT	Portugal
RO	Romania
RU	Russian Federation
SE	Sweden
SG	Singapore
SI	Slovenia
SK	Slovakia
SU	Union of Soviet Socialist Republics (USSR)
TJ	Tajikistan
TR	Turkey
TT	Trinidad and Tobago
TW	Taiwan
US	United States of America
VN	Vietnam
WO	World Intellectual Property Organisation (WIPO)
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe